



TESTINGWHIZ USER MANUAL

TestingWhiz Version: 6.0.0

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1 GENERAL INFORMATION

1.1 Target Audience

This manual is intended to help QA engineers and software testers automate the testing of web and cloud-based applications using TestingWhiz. It can also be used by Business Analysts, Project Managers, Test Leads and other Stakeholders who are involved in testing activities for analysis and estimation purposes.

1.2 System Requirements

Operating System: Windows XP/ Windows Vista/ Windows 7/ Windows 8/Windows 10

Processor: Intel Pentium 4 or later RAM: 2 GB (4 GB Recommended) Free Disk Space: 500 MB Java Version: JRE 8 or later

1.3 Platform Support

TestingWhiz can be used to create Automation Test Scripts only on Windows. However, the test scripts created using TestingWhiz can be executed on different operating systems like Mac and Linux. For information on how TestingWhiz Automation Tests can be run on MAC or Linux, please <u>contact us</u>.

1.4 Browser Support

TestingWhiz supports

- Internet Explorer: Version 9, 10 and 11
- Mozilla Firefox: Version 50 to Version 54
- Google Chrome: Version 55 to Version 58
- Edge: Version 25
- Headless Version 2

User can use any of the above browsers as a default browser to execute the Automation Test Scripts created using TestingWhiz.

Refer Section - <u>Configuration</u> to learn how to set the default browser.

Note: TestingWhiz also supports HTML5 partially.



1.5 Mobile Support

TestingWhiz also comes with a Mobile support to perform mobile and web testing on Android and iOS devices. Mobile test execution can be done by connecting the real device with the system or via Simulator.

Android Device Support

TestingWhiz provides mobile Web and Native test execution on Android Mobile Phones & Tablets. Currently it supports the following Android versions:

- Gingerbread (2.3)
- Honeycomb (3.0)
- Ice Cream Sandwich (4.0)
- Jelly Bean (4.3)
- KitKat (4.4)
- Lollipop (5.0)
- Marshmallow (6.0)
- Nougat 7.0

iOS Device Support

TestingWhiz provides mobile web test execution on iOS devices like iPhones and iPads. Currently it supports the following iOS versions:

- iOS 7.1
- 8.x
- 9.0, 9.1, 9.2



2 UNDERSTANDING TESTINGWHIZ

TestingWhiz has a straightforward user-interface for quick, effective and trouble-free testing.

TestingWhiz Enterprise - New File File Edit Settings Tools Support Help			
the welcome ⊠			\ \ \ \ \ \ \ \ \ \ \ \ \ \
	Se Test	ingWhiz™	
	Recording Start recording a new Automated Test Script with Testing/Whiz TM .	Check Samples Get started with some TestingWhiz [™] sample scripts.	
	Configuration Set your Email, Language,Browser and Integration Preference.	Help Manuals, Release Notes and Online Documentation.	
	LUSA F		

S TestingWhiz Enterprise - New File File Edit Settings Tools Scheduler Support View Help	Menu Bar		
C Test Project	Test Editor Test Data	Tool Bar	
Test Basisch Menu Tabs	Project Information	Test Editor Tabs	
Test Commands, Methods and Variable Tabs	Project Name * Project URL Test Execution Cycle Environment	Ø Development	
🎄 Test Command 🛛 🎵 Methods 🕼 Variable 😻 🔕 " 🗆	Project Description Build Version	0	
🔅 Break	Build Date	7/19/2016	
> ✿ Check > ✿ Clean ✿ Click	Base URL Automation Prepared By		
Click And Wait Compare Continue Data Table Data Table Datasee Debug	Total number of Test Case	0 Save Reset	



2.1 Welcome Screen

When a user launches TestingWhiz tool, a Welcome Screen appears highlighting four functions with a brief explanation of each function. User can simply click on the function name (Recording, Configuration, Check Samples or Help) to perform it.

- **Recording**: To record test case execution steps.
- **Configuration**: To set configuration preferences (Set up default browser, language, etc.)
- Check Samples: To open a list of sample scripts.
- Help: To get help for using TestingWhiz.



2.2 Menu Bar

Menu Bar contains important functions of TestingWhiz in a drop-down format. It provides instant access to different tasks and actions along with short-cuts for seamless test project execution.





2.2.1 File

Open File menu to perform the following functions:

🖗 TestingWhiz Enterprise - New File					
<u>F</u> ile	<u>E</u> dit	<u>S</u> ettings	<u>T</u> ools	S <u>u</u> pport	F
	New			Ctrl+N	
	Open				
	Open	Sample		+	
	Save			Ctrl+S	
	Save a	IS			
	Impor	t Test Proj	ect		
	Impor	t From Exc	el	Ctrl+I	
	Export	to Excel		Ctrl+E	
	Share	twiz Projec	t		
	Licens	e Informat	tion		
	Exit			Alt+F4	

New	Click New to create a New Test Project
Open	Click Open to open an existing Project/Script (.twiz file)
Open Sample	Click Open Sample to view a list of sample script
Save	Click Save to save the Test Project
Save As	Click Save As to save the existing file with a new name and at the new location
Import Test Project	Click Import Test Project to import Test Suite/Cases/Data table/Methods to existing test project
Import from Excel	Click Import from Excel to import existing scripts from Excel file to TestingWhiz
Export to Excel	Click Export to Excel to save and export existing test scripts from TestingWhiz to Excel file
Share twiz Project	Click Share twiz Project to email existing .twiz Project/Script
License Information	Click License Information to view details of the license – type, start date, end date, edition, etc.
Exit	Click Exit to exit TestingWhiz application



2.2.2 Edit

😢 TestingWhiz Enterprise - C:\Use				
<u>F</u> ile	<u>E</u> dit	<u>S</u> ettings	<u>T</u> ools	Suj
		Undo	Ctrl+Z	
		Redo	Ctrl+Y	

Use of Edit menu provides the following options:

Undo	Click Undo to undo/reverse the last step(s)
Redo	Click Redo to redo/repeat the last step(s)

2.2.3 Settings

Use settings to set preferences and defaults in TestingWhiz



2.2.3.1 Configuration

Click Configurations to set up General preferences, Execution, Mobile Web Testing, Screen, Mail, Recording Rules, Database configuration, TestingWhiz Grid, Bug Tracking Tool and Test Management Tool etc.



I. General: Set up General Preferences.

General	General
Execution Add-ons Cloud Execution Mobile Testing Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository Bug Tracking Tool Test Management Tool Risk Based Testing Install/Update	Application Language: English Report Language: English Select Color to Highlight Image Difference : Red Resolution For Image Comparison : Low Enable sound effects Share workspace data among users Note: Creating a TestingWhiz Data folder in Installation directory
	Restore Defaults Apply
	OK Cancel

Application Language	Select default language to write application test cases – English, Français, Duetsch, Nederlands, Español, & Italiano.
	[Note: Changes in language will be effective after Restart.]
Report Language	Select default language to generate test report – English, Français, Duetsch, Nederlands, Español, & Italiano.
	[Note: Changes in language will be effective after Restart.]
Select Color to	Select default color to highlight image difference – Red, Green & Yellow.
Highlight Image	[Note: Image difference color will be highlight in "Image Comparison Report"
Difference	after completion of test execution.]
Resolution For Image	Select resolution of Image Comparison– Low or High.
Comparison	[Note: Resolution for Image Comparison will be highlight in "Image
	Comparison Report" after completion of test execution.]



Enable sound effects	Tick this option to enable or disable sound effect.
Share work space data	Tick this option to share work space data among other users.
among users	
Restore Defaults	Click Restore Defaults to reverse to default settings.
Apply	Click Apply to confirm and save the settings.

II. Execution: Set up Execution Preferences.

General Execution	Execution
 Add-ons Cloud Execution Mobile Testing Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository Bug Tracking Tool Test Management Tool Risk Based Testing Install/Update 	Browser: Google Chrome Add-ons: Delay: Yalue: 0 Irend Analysis Value: 10 I urn Off Object Identification For Manually Added Steps Pause Test Execution on failure of step Eallback on another browser if chosen browser is not available (at all or higher version found) Export Project settings in Bug tracking tool I urn off console logging
	OK Cancel

Browser	Select a default browser from the following:
	Web Browsers – Internet Explorer, Mozilla Firefox, Google
	Chrome, Edge
	Mobile – Android, iOS
	Cloud – BrowserStack, Sauce Labs
	Headless Execution
Add-ons	Select a default Add-on from the drop-down if any.



Delay Value	Set up speed to execute/play the test script.
	[Note: Value will be displayed in Milliseconds.]
Trend Analysis Value	Set up the maximum bars in Trend Analysis column.
	[Note: By default, value appears as 10.]
Turn Off Object	Tick this option to turn off Object Eye feature for manually added
Identification	steps.
Pause Test Execution	Tick this option to pause the test execution.
	[Note: Allows user to select correct object at the time of test execution,
	also helps to handle dynamic object.]
Fall back on another browser	Tick this option to switch to another browser if default browser is not compatible.
	[Note: View details in execution logs in executed repor.t]
Export Project details in Bug	Tick this option to export project details into the bug tracking tool
Tracking Tool	while opening a new bug ticket.
Turn Off Console Logging	Tick this option to turn off the console logging while execution. Only
	failed logs, will be displayed. This will improve your execution
	failed logs, will be displayed. This will improve your execution performance.
Restore Defaults	failed logs, will be displayed. This will improve your execution performance. Click Restore Defaults to reverse to default settings.



General	Add-ons	
Execution Add-ons Cloud Execution Mobile Testing Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository Bug Tracking Tool Test Management Tool Risk Based Testing Install/Update	See sub-pages for settings.	
		OK Cancel

III. Add-on: Setup Add-ons for Firefox & Chrome Extension Automation



A. Firefox Profile Setup

Configuration				_ D X
General Execution	FireFox Profile			
 ▲ Add-ons FireFox Profile Chrome Extension ▷ Cloud Execution 	Alias TestingWhiz Fir	Profile . TestingWhiz		Add Edit
 Mobile Testing Report Recording Data Validation Rules 	Profile			X
Screen Mail Database FTP	Alias *	TestingWhiz FireFox P	rofile	
TestingWhiz Grid Report Repository ▷ Bug Tracking Tool ▷ Test Management Tool Risk Based Testing		OK	Cancel	
▶ Install/Update				
			Test Connection	Apply
			ОК	Cancel

Alias	Enter the Alias for FireFox Profile.
Profile	Enter the Profile Name used for creating FireFox Profile.
Add	To add a new FireFox Profile.
Edit	To edit an existing FireFox Profile.
Remove	To remove an existing FireFox Profile.
Test Connection	Click Test Connection to test the connection with the FireFox Profile.
Apply	Click Apply to confirm and save the settings.



B. Chrome Extension Setup

General Execution	Chrome Extens	sion		
▲ Add-ons	Alias	Extension		Add
Chrome Extension	Google Transla	ate C:\Users\kdch		Edit
Cloud Execution				
Mobile Testing			l	Remove
Recording				
Data Validation Rules				
Screen				
Mail				
Database	Charace Estanti			x
TestingWhiz Grid	Chrome Extension			
Report Repository		1		_
Bug Tracking Tool	Alias *	Google Translate		
Test Management Tool			,	
Nisk Based Testing	Extension *	C:\Users\kdchhatbar\Desk	top\whiz\Translate.crx	
/ Instan, opdate				
		OK	Cancel	
L				
			Test Connection	Apply
				Canad
			OK	Cancel

Alias	Enter the Alias for Chrome Extension.
Extension	Enter the Extension of the respective Extension.
Add	To add a new Chrome Extension.
Edit	To edit an existing Chrome Extension.
Remove	To remove an existing Chrome Extension.
Test Connection	Click Test Connection to test the connection with the Chrome Extension.
Apply	Click Apply to confirm and save the settings.



IV. Cloud Execution: Setup BrowserStack OR Sauce Labs Test Execution Preferences

Configuration	
General	Cloud
Execution	
> Add-ons	See sub-pages for settings.
Cloud Execution	
Browser Stack	
Sauce Lab	
Mobile Testing	
Report	
Recording	
Data Validation Rules	
Screen	
Mail	
TertingWhiz Grid	
Report Repository	
N Bug Tracking Tool	
Test Management Tool	
Risk Based Testing	
Install/Update	
	OK Cancel



A. BrowserStack Setup

General Execution	Browser Stac	k			
Add-ons	Profile	User Name	Key		Add
Chrome Extension	jazalnayak1	jazalnayak1	vCTSq1pN9LU		Edit
Cloud Execution					
Browser Stack				R	amove
Sauce Lab	BrowserStack				
Mobile Lesting					
Recording	Profile *	jazalnayak1			
Data Validation Rules					
Screen	User Name *	jazalnayak1			
Mail					
Database	Key *	vCTSq1pN9LU	p3tieGRzx		
FTP					
LestingWhiz Grid	Password *	*******			
Bug Tracking Tool					
Test Management Tool		alidate	OK	Cancel	
Risk Based Testing					J
Install/Update					-
			Test Co	Approximention	alv
			1010		
			_		
				OK Ca	incel

Profile	Enter the Profile name as you per your interest.
Username	Enter the Username of the BrowserStack account.
Кеу	Enter the key provided by BrowserStack.
Password	Enter the Password of BrowserStack account.
Validate	This button will validate the credentials of BrowserStack account.



i. BrowserStack Configuration

General Execution	Configuration						
⊿ Add-ons	Profile	Alias	OS	OS Version	Browser	Browser Version	Add
FireFox Profile	iazalnavak1	Win1	Windows	10	edge	15.0	
Chrome Extension	,,						Edit
Browser Stack	BrowserS	tack Config	uration				Remove
Configuration							
Sauce Lab			6				Duplicate
Mobile Testing	Profile *		jazalnayak1				
Report							
Recording	Alias *		Win10_Edge_15				
Data Validation Rules							
Screen	05 *		Monday				
Mail	03		windows	•			
Database							
FTP Testine Wikin Cold	OS Versio	n *	10	-			
Perent Peresiten							
Rug Tracking Tool	Browser	•	edge	-			
Test Management Tool	biomsei		euge	•			
Risk Based Testing							
Install/Update	Browser	ersion *	15.0	-			
						_	
			OK		Cancel		Apply
			U.		cuncer		

Profile	Select the BrowserStack profile from the dropdown list.
Alias	Enter Alias for BrowserStack account.
OS	Select the OS from the dropdown.
OS Version	Select the OS version from the dropdown.
Browser	Select the Browser from the dropdown.
Browser Version	Select the version of the Browser from the dropdown.



B. Sauce Labs Setup

General	Sauce Lab					
Add-ons						
FireFox Profile	Profile	User N	lame	Key		Add
Chrome Extension	zalav1	zalav1		f8fe273c-ab70		Edit
Cloud Execution						
b Browser Stack						Remove
Sauce Lab	SauceLab					
Mobile Testing						
Report	Profile *		zalav1			
Recording						
Data Validation Rules	User Nam	e *	zalav1			
Screen	0.50111011	-				
Mail	K		f8fe273	c-ab70-4cc5-a0c7-13fd6c1a149d		
Database	Key		1010275	C-8570-4005-8007-151000181450		
FTP						
TestingWhiz Grid	Password	*		-		
Report Repository						
Bug Iracking Iool		Valio	date	OK	Cancel	
Iest Management Tool						
Risk Based Testing						
> Install/Opdate						
					Test Connection	Apply
					ОК	Cancel

Profile	Enter the Profile name as you per your interest.
Username	Enter the Username of the Sauce Labs account.
Кеу	Enter the key provided by Sauce Labs.
Password	Enter the Password of Sauce Labs account.
Validate	This button will validate the credentials of Sauce Labs account.



i. Sauce Labs Configuration

General Execution	Configuration							
⊿ Add-ons	Desfile	Alian	05	Descuses	B	Add		
FireFox Profile	Profile	Allas	US	Browser	Browser Version	Add		
Chrome Extension	zalav1	Win1	Windows 10	chrome	56.0	Edit		
 Cloud Execution 	Saucel a	h Configura	tion					
b Browser Stack		in configure				Kemove		
▲ Sauce Lab						Duplicate		
Configuration	Profile *		zalav1					
Mobile Lesting								
Report	Alias *		Win10_Chrom	ie_58				
Recording Data Validation Puler								
Screen								
Mail	OS *		Windows 10	•				
Database								
FTP	Browser	*	chrome	-				
TestingWhiz Grid								
Report Repository	Browser	Version *	56.0	_				
Bug Tracking Tool	bionse.	(CISION	0.0	•				
> Test Management Tool								
Risk Based Testing			OK		Cancel			
> Install/Update								
						, 		
						Apply		
						K Cancel		

Profile	Select the Sauce Labs profile from the dropdown list.
Alias	Enter Alias for Sauce Labs account.
OS	Select the OS from the dropdown.
Browser	Select the Browser from the dropdown.
Browser Version	Select the version of the Browser from the dropdown.



V. Mobile Testing: Set up Android or iOS Test Execution Server Preferences.

Select the platform between Android and iOS for mobile web testing.

Configuration	-	
 Configuration General Execution Add-ons Cloud Execution Mobile Testing Android iOS Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Reository Bug Tracking Tool Test Management Tool Risk Based Testing Lectrification 	Mobile Testing See sub-pages for settings.	
	ОК	Cancel

A. Mobile Web Testing for Android

Configuration	
General	Android
Execution	
> Add-ons	URL: http://127.0.0.1.4723/wd/hub
 Cloud Execution Mobile Testing 	Device Name: Pixel
Android	Command Timeout: 1000
iOS	✓ <u>I</u> est Web Application
Report	Browser Name
Recording	
Data Validation Rules	
Screen	
Database	
FTP	
TestingWhiz Grid	
Report Repository	
Bug Tracking Tool	
> Test Management Tool	
Risk Based Testing	
Install/Update	
	Test Connection Restore Defaults
	Apply
	OK Cancel



URL	Enter the Server URL – URL of an Appium server which is connected to Android device.
Device Name	Enter the device name in case of simulation testing.
Command Timeout	Enter the time in milliseconds to test the connection of Android device.
Test Web Application	Tick this option to test web application in the Android device.
Browser	Select a browser from the drop-down.
Test Connection	Click Test Connection to test the connection with the Appium Server.
Restore Defaults	Click Restore Defaults to default settings.
Apply	Click Apply to configure and save the settings.

B. Mobile Web Testing for iOS

Configuration	
General	iOS
Execution	
Add-ons	URL: https://192.192.6.456
 Cloud Execution Mobile Testing 	Device Name: iOS-6
Android	Command Timeout: 1000
iOS	Platform Version: 8
Recording	Cest Web Application
Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository Bug Tracking Tool Test Management Tool Risk Based Testing Install/Update	<u>B</u> rowser Name: safari ▼
	Test Connection Restore Defaults
	OK Cancel

URL	Enter the URL of an Appium Server which is connected to iOS device.
Device Name	Enter the device name in case of simulation testing.
Command Timeout	Enter the time in milliseconds to test the connection of iOS device
Platform Version	Enter the platform version of the iOS device.



Test Web Application	Tick the checkbox to test the Web Application in iOS device.
Browser	Select a browser from the drop-down.
Test Connection	Click Test Connection to test the connection with the Appium Server.
Restore Defaults	Click Restore Defaults to default settings.
Apply	Click Apply to configure and save the settings.

VI. Report: Set Up Execution Report Preferences.

General	Report					
Execution	Always Capture Failure Screenshot					
Cloud Execution	Itse Custom Report Path					
Mobile Testing						
Android	Report Path: C:\Users\kdchhatbar\.w	vhiz\reports\		Directory		
iOS						
Report						
Recording						
Data Validation Rules						
Screen						
Mail						
Database						
FTP						
TestingWhiz Grid						
Report Repository						
> Bug Tracking Tool						
> Test Management Tool						
Risk Based Testing						
> Install/Update						
			Restore Defaults	Apply		
			ОК	Cancel		

Always Capture Failure	Tick this option to capture screenshots of the failed test cases
Screenshot	
Use Custom Report Path	Tick this option to store reports at any other custom path of your choice rather than the default location
Restore Defaults	Click Restore Defaults to reverse to default settings
Apply	Click Apply to confirm and save the settings


VII. Recording: Set up Recording Rules to be Performed While Recording Test Scripts using Internal as well as External Browsers.

General	Record	ing				
Execution						
Add-ons	#	Event	Tag	Type		bbA
Cloud Execution	1	Turne	insut	1)pc		
Mobile Testing	1	т	Input			Remove
Android	2	Type	textarea			Default
iOS	3	Select	select			Derault
Report	4	Click	area			
Recording Data Validation Data	5	Click	a			
Data Validation Kules	0	Click	img			
Screen	/	Click	input	reset		
Database	8	Click	button			
ETD	9	Click	div			
TestingWhiz Grid	10	Click	input	checkbox		
Report Repository	11	Click	input	image		
Bug Tracking Tool	12	Click	input	file		
Test Management Tool	13	Click	input	radio		
Risk Based Testing	14	Click	input	button		
Install/Update	15	Click	input	submit		
,	16	Click	span			
	17	Keypress	input			
	18	Keypress	textarea			
	- Wait	for element				
	🔲 <u>W</u> ait	for element				
					ОК	Cancel

Add	Click Add to insert more recording rules to suit the recording behavior before generating scripts with Record and Playback feature
Remove	Click Remove to delete a particular or a set of recording rules from the existing rules to suit the recording behavior requirement
Default	Click Default to get the default list of events (recording rules)

Refer Section – <u>Record to Create Test Script Using Internal Browser</u> to learn more about Recording using Internal Browser.

Refer Section - <u>Record to Create Test Script Using External Browser</u> to learn more about Recording using External Browser.

[Note: By default, TestingWhiz provides 18 Events (recording rules).]



VIII. Data Validation Rules: Set up Data Validation Rules for The Process of Data Cleansing.

General	Data Validation	Rules	
Execution			
Add-ons	Alias	Java expression	Add
 Cloud Execution Mobile Testing 	Numeric		
Android	Email		Edit
iOS	Almhahadiaal		Remove
Report	🔳 Data Vali	ation Rules	
Recording			
Data Validation Rules	Aliac *	3 character string	
Screen	Allas	5 character string	
Mail			
Database	Java expre	sion * [a-z](3)	
FTP			
TestingWhiz Grid	Input *	abc	
Report Repository			
Bug Tracking Tool			
Test Management Tool		Validate Save	Cancel
Risk Based Testing			
> Install/Update	Date_mm/dd/y		
			Apply
			OK Cancel

[Note: By default, TestingWhiz provides 9 Alias for data validation.]

Add	Click Add to insert more Alias, Java Expression and Input for data validation.
Edit	Click Edit to edit Alias, Java Expression and Input for data validation.
Remove	Click Remove to remove a particular or a set of Alias and related Java Expression and Input to suit the requirement for data validation.



IX. Screen: Set up Display Preferences.

© Configuration	and a second	
General	Screen	
Execution	Show Welcome Screen On Startun	
Add-ons Cloud Execution	Show Welcome Screen During Test Fuguritien	
Mobile Testing	Show Active screen buring rest execution	
Android	Screenshot Delay(in seconds) : 2	
iOS		
Report		
Recording		
Data Validation Rules		
Screen		
Mail		
Database		
FTP		
TestingWhiz Grid		
Report Repository		
Bug Tracking Tool		
Pisk Pased Testing		
Nisk based Testing		
p Install/ opdate		
		Restore Defaults Apply
		OK Cancel

Show Welcome Screen	Tick this option to view Welcome Screen on every start-up of the application.
Show Active Screen	Tick this option to view Active Screen or current screen during test execution.
Restore Defaults	Click Restore Defaults to reverse to default settings.
Apply	Click Apply to confirm and save the settings.



X. Mail: Configure Mail Account with TestingWhiz to Send Test Reports through Mail.

	mer III fantan I	
General	Mail	
Execution		
> Add-ons	SMTP Server *	smtp.cvgnet-india.com
Cloud Execution Mabile Testing		
Android	SMTP Port *	587
iOS	User Name *	cygnetmail
Report Recording	Password *	*******
Data Validation Rules	To *	kdchhatbar@cygent-infotech.com
Screen	Cubiert	Test Subject
Database	Subject	, choujet
FTP	Message Content	
FestingWhiz Grid Report Repository ▷ Bug Tracking Tool ▷ Test Management Tool Risk Based Testing ▷ Install/Update		-
	Signature	
	Test Signature	*
		Send Test Mail Apply
		OK Cancel

SMTP Server	Enter SMTP Server (Outgoing Mail Server) details of the User's Email Address.
SMTP Port	Enter SMTP Port details to authorize User's Email Address.
Username &	Enter Users Server credential - Username & Password to configure Email Address
Password	in TestingWhiz.
То	Enter Recipient's Email Address.
Subject	Enter Subject of the Email.
Message Content	Enter Message Content (Optional).
Signature	Enter Signature (Optional).
Send Test Mail	Click Send Test Mail to test whether the Email has been configured correctly or not (Optional).
Apply	Click Apply to confirm and save the settings.



XI. Database: Configure Database to Fetch Data Directly into the Data table and Run Raw Queries.

📽 Configuration						
General	Databas					
Execution		Database		- U X		
> Add-ons	Database				Jame]
> Cloud Execution	MSSOL			Vers		
> Mobile Testing	IVISSQL/S	Database Type	MSSQL/SQLAzure ~	and a second sec	the second se	Add
Report	IVIYSQL ODACLE			SQL Server	gwniz	Edit
Recording	ORACLE				9	Lonc
Data Validation Rules	DB2		Testing Whiz		min	Remove
Screen	Postgres	Database Alias	resting with		res	luce and
Mail	Avvs Tera		<u></u>			import
Database	Postgres	Database/Service	GH001_Test_Application		res	Export
FIP Testine Wilkin Cold	ORACLE				gwhiz	
Report Papasiton	MSSQL/S				gwhiz	
Bug Tracking Tool	MySQL	Host *	68.71.248.148		gwhiz	
 Test Management Tool 	Postgres				res	
Ouality Center	DB2	Deat	1433		min	
Zephyr	Hive	Port	1455			
TestRail	Hive					
Risk Based Testing	DB2	User Name	GH001		min	
SVN	MySQL					
> Install/Update	AWS Tera		F		histrator	
	MSSQL/S	Password	********		@obm2.d	
	MSSQL/S					
	MongoD	Authentication Type	501			
			SQL V			
			SQL			
			THINK OF IS		innection	Apply
					ОК	Cancel
		ОК	Cancel	(?)		

Database Type	Click Add and select database type from the drop-down – MySQL, MSSQL, ORACLE, DB2, PostgreSQL, AWS Teradata or Hive.
Database Alias	Enter the Database Alias.
Database/Servi ce	Enter the Database Name.
Host	Enter the location (IP address) where the database is to be hosted.
Port	Enter the Port of the Database.
User name & Password	Enter the User name & Password to authorize the Database.
Authentication	TestingWhiz also provides Windows Authentication login method
Туре	supported by MSSQL/SQL Azure.
Edit	Click Edit to edit items in the Database.
Remove	Click Remove to remove particular items from the Database.
Import	Click Import to integrate Database Connection configuration in Testing Whiz.
Export	Click Export to save the Database configuration so that you don't have to repeat the connection setting procedure again.



Test Connection	Click Test Connection to test the connection with the Database.
Apply	Click Apply to configure and save the settings.

Note: Windows Authentication support has been provided for MSSQL/SQL Azure database only.

XII. FTP: Set up FTP to Upload Files to Server.

xecution	FTP				
dd-ons	Connect With	Alias	Host Name Port	User Name	Add
loud Execution	SETD	e-shabda1	e-shabda.com 8822	nirav	
Nobile Lesting	SITT	C SHUDUUI	C 3110500.C0111 0022		Edit
Android		FTP			Remove
iUS enort					
ecording		Connect With	SETD -		
ata Validation Rules			5111		
creen					
/ail		Alias *	e-snabdal		
latabase					
TP		Host Name *	e-shabda.com		
estingWhiz Grid					
eport Repository			8922		
ug Tracking Tool		Port *	0022		
est Management Tool					
isk Based Testing		User Name *	nirav		
istall/ Opdate					
		Paceword *	******		
		Password			
		_			
			OK	Cancel	
	l l				J
				Test Connecti	on Apply
				0	Cancel

Connect With	Click Add and select FTP type from the drop-down – FTP or SFTP.
Alias	Enter the FTP Alias.
Host Name	Enter the location where the FTP is to be hosted.
Port	Enter the Port of the FTP.
Username & Password	Enter the Username & Password to authorize the FTP.
Edit	Click Edit to edit items in the FTP.
Remove	Click Remove to remove particular items from the FTP.



Test ConnectionClick Test Connection to test the connection with the FTP.ApplyClick Apply to configure and save the settings.

XIII. TestingWhiz Grid: Set Up TestingWhiz Grid to Distribute the Test Execution across Multiple Machines and Reduce the Execution Time.

General	TestingWhiz Grid
Execution	
Add-ons	Hub Server URL: 192.192.8.102:4444/wd/hub
Cloud Execution	Note : The LIPI for Hub Server is http://c.hub.server.invld/d/s.kv//hub
Mobile Testing	
Android	
iOS	
Report	
Recording	
Data Validation Rules	
Screen	
Mail	
Database	
FTP	
TestingWhiz Grid	
Report Repository	
Bug Tracking Tool	
> Test Management Tool	
Risk Based Testing	
> Install/Update	
	Test Connection Restore Defaults
	Apply
	OK Cancer

Hub Server URL	Enter Hub Server URL – URL of a centralized server/main machine which is connected with other machines.
Test Connection	Click Test Connection to test the connection with the Hub Server URL.
Restore Defaults	Click Restore Defaults to default settings.
Apply	Click Apply to configure and save the settings.



XIV. Report Repository: Set-up Report Repository to Store the Execution Reports in MongoDB Database

General	Report Repository - MongoDB
Execution	
Add-ons	Report Repository Server: 192.192.8.117
Cloud Execution	Report Repository Port: 27017
Mobile Lesting	Provide Providence Database Names Tradic eN/kirDD
Android	Report Repository Database Name: Testing Whi2DB
Report	Report Repository User Name: cygnet
Recording	Report Repository Password:
Data Validation Rules	Store Results In MongoDB instance
Screen	
Mail	
Database	
FTP	
TestingWhiz Grid	
Report Repository	
Test Management Tool	
Risk Based Testing	
Install/Update	
	Test Connection Defaults
	rest Connection [Restore Deradits]
	Apply
	OK Cancel

Report Repository Server	Enter the Server details.
Report Repository Port	Enter the Port number.
Report Repository Database Name	Enter the Database Name.
Report Repository Username	Enter the Username of Database.
Report Repository Password	Enter the Password of Database.
Test Connection	Click Test Connection to test the connection with the Database Server.
Restore Defaults	Click Restore Defaults to default settings.
Арріу	Click Apply to configure and save the settings



XV. Bug Tracking Tool: Configure Bug Tracking Tool Accounts to Post Bugs Directly from TestingWhiz.

General	Mantis						
Execution							
Add-ons	Alias	URL	User Name				Add
Cloud Execution	Mantis	http://192.192	hiiha				
Mobile Lesting	Walles	11100//1021102111	Jina				Edit
Android	Mantis					3	Remove
Perpert							
Recording						- II	
Data Validation Rules	Alias	Ma	intis				
Screen							
Mail	URL *	htt	p://192.192.7.3:100/m	antisbt-1.2.15			
Database	UNL						
FTP						-	
TestingWhiz Grid	User Na	me* bjjł	ha				
Report Repository							
Bug Tracking Tool	Passwor	d *	*****				
Mantis	1 033001	u					
Jira							
Fogbugz			ОК		Cancel		
Test Management Tool		L					
Risk Based Testing							
Install/Update							
					Test Cor	nnection	Apply
							. 11.2
					_		
						OK	Cancel

Select Bug Tracking Tool	Select the Bug Tracking Tool – Jira, Mantis or FogBugz.
Alias	Click Add and enter Alias of the Bug Tracking Tool.
URL	Enter URL of the Bug Tracking Tool.
Username & Password	Enter Username & Password to establish connection with the Bug Tracking Tool.
Test Connection	Click Test Connection to test reporting with the selected Bug Tracking Tool.
Apply	Click Apply to configure and save the settings.



XVI. Test Management Tool: Configure Test Management Tool (Quality Center) with TestingWhiz.

General	Quality center					
Execution						
Add-ons	Alias URL	User				Add
Cloud Execution						
Mobile Lesting					D	Edit
Android	🔳 Quali	ty center			J	Remove
105					1	Keniove
Report	AP		HP OC			
Recording	Allas					
Data validation Kules						
Mail			\\192.192.7.200\qc			
Database	ONE					
FTD						
TestingWhiz Grid	User	Name *	whiz			
Report Repository						
Bug Tracking Tool			[
Mantis	Passv	vord *	*******			
Jira						
Fogbugz]		
Test Management Tool			ОК	Cancel		
Quality Center				 		
Risk Based Testing					<u> </u>	J
Install/Update						
				Test Conn	lection	Apply
					OK	Cancel
						Cancer

Alias	Click Add and enter the Alias name of the Test Management Tool.
Quality Centre URL	Enter URL of the HP QC.
Username & Password	Enter Username & Password to authorize the Test Management Tool.
Test Connection	Click Test Connection to test the connection with the Test Management Tool.
Apply	Click Apply to configure and save the settings.



😢 Configuration		- 0	\times
General	Zephyr		
Execution			
> Add-ons		Ad	d
> Cloud Execution	Zephyr	- 🗆 X	
> Mobile Testing		Edi	t
Report	Aliac	Testing whiz	
Recording	Allas		lve
Data Validation Rules			
Screen	URL *	https://testingwhiz.atlassian.net	
Mail			
Database		testingwhiz@cvapetinfatech.com	
FIP	User Name "	coungwinz@cygnetinioteen.com	
TestingWhiz Grid			
Report Repository	Access Key *	OWEwNGE10DAtMzBiZC0zMGM3LThhMTgtYWU4NjlwOTNm	
> Bug Iracking Tool			
 Test Management Tool Ouglity Captor 		*****	
Zonbur	Secret Key *		
TestPail			
Pisk Pased Testing	Password *	*****	
SVN			
SVN Svn			
y mistally opulate		OK Cancel	
		Test Connection Apply	
		OK Com	-1
		OK Cance	21

Configure Test Management Tool (Zephyr) with TestingWhiz.

Alias	Click Add and enter the Alias name of the Test Management Tool.
Zephyr URL	Enter URL of the Zephyr for Jira .
User name &	Enter User name & Password to authorize the Test Management
Password	Tool.
Access Key	Enter the access key
	(You can found them by logging in to your JIRA cloud instance,
	browse to Tests (top menu bar) > Importer > API Keys.)
Secret Key	Enter the secret key
	(You can found them by logging in to your JIRA cloud instance,
	browse to Tests (top menu bar) > Importer > API Keys.)
Apply	Click Apply to configure and save the settings.
Test Connection	Click Test Connection to test the connection with the Test Management Tool.



Execution	TestRail	
 > Add-ons > Cloud Execution > Mobile Testing Report Recording Data Validation Rules 	Alias URL	Email Add Edit Remove
Screen	TestRail	>
Screen Mail Database FTP TestingWhiz Grid Report Repository > Bug Tracking Tool > Bug Tracking Tool > Test Management Tool Quality Center Zephyr TestRail Risk Based Testing SVN > Install/Update	Alias URL * Email * Password *	TestRail https://testingwhiz.testrail.net/ testrail@testingwhiz.com ************************************
		Test Connection Apply

Configure Test Management Tool (Test Rail) with TestingWhiz.

Alias	Click Add and enter the Alias name of the Test Management Tool.
Test Rail URL	Enter URL for TestRail.
Email & Password	Enter Email & Password to authorize the Test Management Tool.
Test Connection	Click Test Connection to test the connection with the Test Management Tool.
Apply	Click Apply to configure and save the settings.



XVII. Risk Based Testing: Configure settings for executing Risk Based Testing.

📽 Configuration		_		\times
General	Risk Based Testing			
Execution				
> Add-ons	KBI enabled execution			
> Cloud Execution	Prioritize Test Cases execution as per business requirements.			
 Mobile Testing 	🗹 High			
Android	Medium			
iOS	Low			
Report				
Recording				
Data Validation Rules				
Screen				
Mail				
Database				
FTP				
TestingWhiz Grid				
Report Repository				
> Bug Tracking Tool				
> Test Management Tool				
Risk Based Testing				
SVN				
> Install/Update				
	Restore De	faults	Арр	ly
	ОК		Cance	ł

RBT enabled execution	Tick this option to enable Risk Based Testing.
Prioritize Test Cases	Select options among High, Medium and Low to prioritize Test Case
	execution with Risk Based Testing.



XVIII. Install/Update: Configure Settings Related to Installation & Updates of TestingWhiz.

General	Install/Update
Execution	Browsing for updates
Cloud Execution	Show only the latest versions of available software
Mobile Testing Android	Show all versions of available software
iOS	When software selected for an install wizard may not be compatible
Report	Open the wizard anyway to review or change selections
Recording	Report the problems and do not open the wizard
Data Validation Rules	Act me what to do when it hanners
Screen	Big include to do when it hoppens
Mail	Uninstall or update software that is already installed
Database	
FTP	
TestingWhiz Grid	
Report Repository	
Bug Tracking Tool	
Mantis	
Jira	
Fogbugz	
Test Management Tool	
Quality Center	
Risk Based Testing	
Install/Update	
Autolest	
Install/Update	
	Restore Defaults Apply
	OK Caricei

Browsing for Updates	Select option to show only latest versions of the available software OR show all versions of the available software while browsing for updates.
Software Compatibility	Select option to either: Open Wizard to review/change selections OR
for an Install Wizard Report only problems OR Ask me what to do when the software is	
	compatible for the install wizard.



A. AutoTest: Available Software Sites

General Execution	Available Software Sites		
Add-ons			
Cloud Execution	type filter text		
Mobile Testing Android	Name	Location	<u>A</u> dd
iOS		http://update.testing-whiz.com/testingwhiz/repository/	Edit
Recording			Remove
Data Validation Rules			
Screen Mail	😢 Edit Site		Re <u>l</u> oad
Database FTP	Name: TestingWhiz		<u>D</u> isable
TestingWhiz Grid	Location: http://update.tv	esting-whiz.com/testingwhiz/renository/	Import
Report Repository			Export
Bug Tracking Tool			<u>Lyport</u>
Mantis lira		OK Cancel	
Fogbugz			
Test Management Tool			
Quality Center			
Risk Based Testing			
AutoTest			
Install/Update			
		ОК	Cancel

Add	Enter Name of the available software and location of the file from Local or Archive folder.
Edit	Click Edit to change the name and location of the already added software site.
Remove	Click Remove to remove existing software site.
Reload	Click Reload to reload the software site in TestingWhiz.
Enable/Disable	Click Enable/Disable buttons to check or uncheck existing software site.
Import	Click Import to integrate software sites in TestingWhiz.
Export	Click Export to save the list of software sites.



B. Install/Update: Automatic Updates

General	Automatic Updates
Execution	
Add-ons	Automatically find new updates and notify mej
Cloud Execution	
Mobile Lesting	<u>U</u> pdate schedule
ios	Look for updates each time TestingWhiz is started
Report	○ Look for updates on the following <u>s</u> chedule:
Recording	Every day v at 1:00 AM v
Data Validation Rules	
Screen	
Mail	<u>D</u> ownload options
Database	Search for updates and <u>n</u> otify me when they are available
FTP	Download new updates automatically and notify me when ready to install them
TestingWhiz Grid	
Report Repository	When undates are found
Mantis	Notify me once about undates
lira	Remind me shout undate even
Fogbugz	
Test Management Tool	30 minutes v
Quality Center	Directly show update wizard
Risk Based Testing	
Install/Update	
AutoTest	
Install/Update	
	Kestore <u>D</u> efaults <u>Apply</u>
	OK

Find New Updates	Tick this option to automatically search for new updates.
Update Schedule	Select option to either look for updates each time TestingWhiz is started OR
	specify the day and time to look for updates.
Download Options	Select option to either search and notify for new updates OR download
	updates automatically.
When updates are	Select option to either notify when updates are found OR set timings to
found	remind for updates automatically.
Restore Defaults	Click Restore Defaults to reverse to default settings.
Apply	Click Apply to configure and save settings.



2.2.3.2 Reset Perspective

Click Reset Perspective to restore the default settings.





2.2.4 Tools

Use Tools to perform the following functions:

File	Edit	Settings	Tools	Scheduler	Suppo
Tue	Fair	Securida	10013	genedaler	ogbb.

2.2.4.1 Start Server

Click Server Start to execute on Jenkins.

[**Note:** To avail Jenkins integration functionality on your TestingWhiz, email at <u>sales@testing-</u> <u>whiz.com</u>.]



2.2.5 Scheduler



2.2.5.1 Manage Jobs

Click Scheduler > Manage Jobs to schedule and manage jobs in TestingWhiz.

lob Name	Project	lob Name *		dd-ons	Add
lob	C:\Users\kdchhatt	Job Hame	ļob	estingWhiz	Edit
		Project *	C:\Users\kdchhatbar\Desktop\Re Browse		Remove
		RBT enabled execution			Duplicate
		Trigger *	Every minute		
		Browser	Mozilla Firefox 🔹		
		Add-ons	TestingWhiz 💌		
		Send Report To	info@testing-whiz.com;		
! [ОК	Cancel	► Cancel	

Add: Click Add to Schedule a Job(s) and enter the details.

Job Name	Enter the Name of the job to be scheduled.
Project	Enter the path/location of the Test Script(s) to be scheduled.
RBT enabled execution	Tick this option to perform Risk-based Testing of the selected Test Script.
Trigger	Select the time to Trigger a job schedule. [Note: <i>User can customize Trigger Time based on Minute, Hour, Day, Week and Month.</i>]
Browser	Select the Browser to run the Test Script(s).



Add-ons	Select the Add-ons of the respective Browser.					
Send Report To	Enter the email addresses to Send Report to individuals. [Note: This function will work only after a user has set Mail Preferences.]					
Active	When the checkbox is checked, the scheduled job will be active and executed. Otherwise, it will be kept as a record.					

Edit: Click Edit to edit the details of the scheduled job(s).

Remove: Click Remove to remove specific job(s) from the list.

Duplicate: Click Duplicate to copy a scheduled job.

Save: Click Save to save the details of the scheduled job.

Trend Analysis: It facilitates to view the Trend of scheduled jobs.

2.2.5.2 Job History

Click Job History to view a history of the scheduled + executed jobs.

Select from the drop-down: All, Today, Last 7 days, Last 15 days, Last 30 days, Last 90 days. Similarly, a user can clear history of the scheduled + executed jobs by selecting the period from the drop-down list.



	Show History from	n: All 🔹 Show	Clear History: All	•	Clear
ŧ	Job Name	Project	Execution Time (mm/dd	Report	
1	Job	C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:16:01	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:17:07	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:18:00	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:19:00	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:20:06	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:21:02	Ø	
		C:\Users\kdchhatbar\Desktop\Registration	05/16/2017 19:22:00	Ø	

2.2.6 Support

Click Support Tab to get personalized support from TestingWhiz Support Team related to the tool usage and queries.



2.2.6.1 Whiz Support

Click Whiz Support to directly email issues, queries and concerns related to TestingWhiz to the

Support Team. Enter the Subject and Message Content. Once finished, click to send the e-mail.

[**Note:** *Mailings through Whiz Support will work only after the Mail server connection has been established.*]



Compose Mail		 require the fit.	×
Subject * Message Content	Issue *		
I would like to proj	ect an issue regarding		*
			-

2.2.6.2 Support Desk

Clicking on Support Desk will redirect a user to TestingWhiz Support Web Page. From this web page, a user can get answers from the community forums, submit requests to the Support Desk and check updates & announcements.



2.2.7 View

<u>F</u> ile <u>E</u> dit	<u>S</u> ettings	<u>T</u> ools	<u>S</u> cheduler	S <u>u</u> pport	View <u>H</u> elp
+		X			Other

2.2.7.1 Others

Use the Quick Access Icons to get instant access to Menu items, Recording function and Console.





2.2.8 Help

Use Help to access following functions:



2.2.8.1 Welcome

Click Welcome to go to TestingWhiz Welcome Page.

2.2.8.2 User Guide

Click User Guide to open and view the TestingWhiz User Manual in PDF Format.

2.2.8.3 About TestingWhiz

Click on About TestingWhiz to avail information related to TestingWhiz application version, build date, etc.





2.3 Tool Bar

📒 📕 🛛 🐺	🔟 🗌 🔘		ج 🔁	🀳 🕸 🕚

Features	Description		
	To create a New Test Project in TestingWhiz.		
	OR		
	Press [CNTR+N] to create a New Test Project		
	To open an Existing Project.		
	OR		
	Press [CNTR+O] to create a New Test Project		
	To import the Script(s) from the Excel file to TestingWhiz.		
	[Note: Available only after user has created script(s) in Excel.]		
X	To export recorded or automated Test Script(s) to Excel.		
	To start recording Test Case(s).		
	[Note: The color will change to Red 🔴 which indicates that the		
	recordina is in progress.		
	· · · · · · · · · · · · · · · · · · ·		
	6 Google Chrome		
	Click 🥑 Mozilla Firefox to start recording test case(s) in external		
	browser (Google Chrome).		
	Click to stop recording of Test Case(s)		
	To execute a Test Case		
	Click down arrow to select the browser or platform for execution		
	[Note: If there is no Test Script present in the Test Project, this button		
	will remain disabled.]		
	To go to the Next Step during Test Execution.		
	[Note: This button will be enabled only if a test script execution is		
	paused / is at Toggle BreakPoint.]		
	To Pause the Test Execution process.		
	[Note: This button will be active only when a test is being executed.]		



	To Stop the Test Execution process. [Note: <i>This button will be active only when a test is being executed.</i>]
	To record on-screen objects, we can use the visual recorder.
	[Note: The color will change to Red which indicates that the recording is in progress.]
	Click on 💌 to stop the visual recorder.
	To view Image Comparison report.
	[Note: This feature will be enabled only after completion of Image
	Comparison.]
	To view Database Comparison report.
	[Note: This feature will be enabled only after completion of Database
	Comparison.]
	To mail Test Report(s).
	[Note : A window to enter the Email Address(es), Subject and the
	Message Content will appear.]
	[Note: This feature will function only if a user has set Email
	preferences in the Configuration section.]
	To generate test data on based on standard rules or own Java
	regular expression
	[Note: A window will be shown to enter the Name of the Data Table,
	the number of Data Combinations, Field Name, Test Data type
	To log issues (if any) in the Bug Tracking Tool during test execution.
茟	[Note: A window to select the Bug Tracking Tool will appear.]
	[Note: <i>I his feature will function only if a user has set Bug</i>
	To integrate Test Projects, Defects, etc. with the Test Management
	Tool
\$	Note: This feature will function only if you have set Test
	Management Tool preferences in the Configuration section 1
•	To Log Off TestingWhiz
0	[Note: This feature is available only for Floating License Lisers]
	[init feature is available only for reducing Electrice 03613.]



2.4 Menu Tabs



2.4.1 Test Project

Use Test Project tab to create, delete and move Test Suite(s) and Test Case(s).



Function	Description
◄	To expand all the Test cases in one particular Test Suite.
8	To hide all the Test cases in one particular Test Suite.
+	To add new Test Suite(s) and Test Case(s).
	To delete existing Test Suite(s) or Test Case(s).
	To move up a particular Test Suite(s) or Test Case(s).
	To move down a particular Test Suite(s) or Test Case(s).
	To highlight a particular Test Suite or Test Case.

Refer Section – <u>Steps to Create New Project</u> to learn more.



2.4.2 Data Table

Use Data Table to add/import multiple data sets and input values for executing Test Case(s).



Function	Description
+	To add new Data Table for inserting Test Data.
	To delete a particular Data Table containing Test Data.

2.4.3 Objects

Objects displays the repository of Test Objects.

📽 *Test Project	🗐 Data Table	📒 *Objects	x	
			+	- 🖣 🗗 🗹

Features	Description
+	To add new Object Properties
\Box	To delete a particular Object Properties
e)	Export all objects to a Database
Ē	Export objects from a Database
	To clean up existing Test Objects.

Refer Section – **<u>Object Repository</u>** to learn more.



2.5 Test Editor Tabs

2.5.1 Test Editor

Use Test Editor to add and manage Test Steps.

Test Editor	Test Data 🛃 Outline 🚺 Object Details 🔮 Reports - Test Project 🐰 🗓 🕒 🕂 — 🛋 💌
Function	Description
x	To cut particular Test Step(s) created under a specific Test Case.
Ð	To copy particular Test Step(s) created under a specific Test Case.
ß	To paste already cut/copied Test Step(s).
+	To add new Test Step(s) within a particular Test Case.
	To delete existing Test Step(s) within a particular Test Case.
	To move up a particular Test Step.
▼	To move down a particular Test Step.

2.5.2 Test Data

Use Test Data to render values of Data Table.

Test Editor	t Data 🕾 🛃 Outline 👫 Project Details 🔮 Reports -Test Project 🗵 🛣 🗶 🕲 🗅 🕂 — 🔺 💌
Function	Description
X +	To import data from Excel file to Data Table
x	To cut particular Data Table Value/Test Step.
Ð	To copy particular Data Table Value/Test Step.
ß	To paste already cut/copied Data Table Value/Test Step.
+	To add new Data Table Value/Test Step.
—	To delete a particular Data Table Value/Test Step.



To move up a particular Data Table Value/Test Step.

To move down a particular Data Table Value/Test Step.

2.5.2.1 Process to Import Data from Excel:

Step 1: Click Ker to Import data from Excel file to Data Table.

Step 2: Select Excel File to be imported

▼

Step 3: Select any one Worksheet from Worksheet list of Excel File.

Step 4: Select all columns or multiple columns or single columns from the Column List of Selected worksheet from List.

Step 5: Tick option to Consider first row as the header row

Step 6: Choose option between 'Import All Rows' and 'Import Selected Rows From Beginning'

Step 7: Click "Import Data" button as per the user selection all records are imported into selected placeholder.

Mart Data To Data Table		X
WorkSheet List Scenarios Settings Guide Info Data Table	Columns in Seleceted WorkSheet Skip Test Command* Action Object Value	
	Screenshot Description URL	Select All Unselect All
Total no of rows in Excel Sheet : 27	Total no of columns in Excel Sheet : 8	
Consider first row as the header row	?	
Import Selected Rows From Beginning	Import Data	Cancel



2.5.3 Outline

Use Outline to view the Test Case in Data Flow Diagram.

Test Editor	Test Data	🐴 Outline 🛛	Object Details	Project Details	e Reports	-Test Project
Refer Section -	Outline View	w/Visual Pre	sentation View t	o learn more		

2.5.4 Object Details

Use Object Details to add, edit and manage Object Properties of Test Objects

Refer Section – Object Repository to learn more

2.5.4.1 Process to Manage Object Properties

Step 1: Add/Edit Alias of the Test Object

- Step 2: Add/Edit ID of Test Object
- Step 3: Add/Edit Name of Test Object

Step 4: Add/Edit Tag Type of Test Object

- Step 5: Add/Edit Inner HTML
- Step 6: Enter Value of Test Object
- Step 7: Enter CSS Path of Test Object
- Step 8: Enter XPath of Test Object
- Step 9: Add/Edit Class Name of Test Object
- Step 10: Manage X & Y Location of Test Object
- Step 11: Click Apply to save changes



堶 Test Editor 目 Tes	t Data 🔒 Out	line [0	bject Details 🛛	Project Details	eports -Test Project	
Object Dropert						
Object Properti	65					
Alias *	btnLogin					
ID	btnLogin					
Name	btnLogin					
Tag Type	Submit					•
Inner Html						
Value	Login					
CSS Path						
XPath	HTML/BOD	V/DIV/DIVI3		1/FORM/TABLE/TBOD	Y/TRI31/TD/INPUT	
Class Name		.,	,,, <u>(</u> -)	, ,	.,	
cluss hum	-					
Location						
X Location	183	Width	94			
Y Location	275	Height	39			
Apply						

2.5.5 Project Details

Use Project Details Tab to Add, Manage and View Test Project Details

ſ	🍢 Test Editor	Test Data	📥 Outline	Object Details	noject Details 🛛	eports -Test Project
	1111					

[Note: *Project Details Tab will be displayed only when a user clicks on the Test Project Folder as shown above.*]

2.5.5.1 Process to Add & Manage Test Project Details

Step 1: Enter Project Name

Step 2: Enter Project URL

Step 3: Enter Number of Test Execution Cycle



Step 4: Enter Environment Details

Step 5: Enter Project Description

Step 6: Enter Build Version

Step 7: Select Build Date

Step 8: Enter Base URL

Step 9: Enter Details of Automation Prepared By

Step 10: Click Save to save the Project Details

<u>File Edit Settings Tools Scheduler Support View Help</u>			
🗾 📕 🕺 💐 🔾 - 🕨 🛽		🛤 🚖 🚱 🐞 🏶 🕛	
😂 Test Project 🗐 Data Table 📒 *Objects 🗌 🗆	🍢 Test Editor 🔠 Test Data 📥 Outlin	ne 🚺 Object Details 👫 Project Details 🛛 🐣 Reports -Test Project	- 8
$(\mathbf{x} \otimes \mathbf{f}) = \mathbf{x} \otimes \mathbf{z}$			
Test Project			
4 📄 Test Suite	Project Information		
🕸 Basic Element			
	Project Name *	Test Project	
	Project LIRI	www.testing.whiz.com	
	riget one	www.csung witz.com	
	Test Execution Cycle	1 (?)	
	Environment	Development	
	chonomient	Development	
💩 Test Command 🕴 🧻 Methods 🕼 Variable 😵 📚 🗆 🗆	Project Description	Download	
	Puild Version	52	
search	build version	55	
S INA I	Build Date	5/17/2017	
Call Method E			
Check	Base URL	www.testing-wniz.com	
Clean	Automation Prepared By	Whiz Team (2)	
- Click	Teleform for a Const		
Click And Wait	Total number of Test Case	1	
Click By Co-ordinates			
Compare Continue			
Data Table		Save Reset	
Database 👻			

2.5.6 Reports

Use Reports tab to view the reports; i.e., percentage of passed or failed Test Case(s).





<u>File Edit Settings</u> <u>Tools</u> Scheduler Support <u>View</u> <u>H</u> elp			
🗾 📕 🕺 🛒 🔾 - 🕨 🚺		🐳 🕸 🙂	
😂 Test Project 🗐 Data Table 🧧 *Objects 🗖 🗆	📲 Test Editor 囯 Test Data 📥 Outline 🚺 Object Details 🐴 Pr	roject Details 🕒 Reports -Test Project 🔀	- 8
🖹 🖹 🕂 🗆 🔍 🖉		Previously executed report	rts:
4 Test Suite			*
Basic Element	Suite Summary		
		Pass 1	Fail O ₌
🏘 Test Command 🛛 🎵 Methods 🗷 Variable 😻 🕭 🖱 🗖		Skip O	Not Run O
Search			
Call Method	© Int		
▷ Clean	Execution Details		
Click And Wait	Name : Test Suite		
Compare Continue	Execution Time (hh:mm:ss) : 00:00:19		T
Data Table Database			Powered by S Testing Whiz

[**Note:** Reports Tab will be enabled only after a Test Case has been executed; if not, this function will not be visible in the Test Editor Tab.]



2.6 Test Command, Methods and Variable Tab

2.6.1 Test Command

Use Test Command Tab to view the list of available commands defined in the system.



Function	Description
♥	To expand all the functions of a selected commands.
*	To collapse all the expanded functions of a selected commands.

For more details on Test Command, kindly refer chapter <u>LIST OF TEST COMMANDS &</u> <u>CORRESPONDING ACTIONS</u>.



2.6.2 Methods

Use Methods Tab to add and apply methods of choice in the test execution process:

🐞 Test Command	🧧 Methods 🛛	(x) Variable	+	
Search				
Methods				

Function	Description
+	To create new Method.
	To delete a particular Method.

Refer Section - <u>Methods</u> for more details on Methods.


2.6.3 Variable

Use Variable Tab to view the value of variables used to Perform Command with type - Local & Global Variable.

# Name	Initial Val	Final Value	Value	Refresh

Refer Section – <u>Perform</u> Command in Test Command Section to view more.



3 LEARNING TO CREATE & MANAGE TEST PROJECTS, TEST CASES & TEST SCRIPTS

TestingWhiz works on the principle of codeless testing. It allows users to build test scripts without presupposing programming or technical knowledge. The naming conventions of Test Commands and Actions are provided in a simple and functional language to help a user create and understand Automation Test Scripts easily.





3.1 Learn from a Sample Test Case

TestingWhiz includes several sample test cases to help a user get acquainted with the process.

To view a Sample Case, click on the **Open Sample** in **File** menu and select the type of the Test Case.

ile	<u>Edit</u> Settings <u>T</u> ools	<u>S</u> cheduler	S <u>u</u> pport <u>V</u> iew <u>H</u> elp
	New	Ctrl+N	
	Open	Ctrl+0	
	Open Sample	+	Basic Element
	Save	Ctrl+S	String Operation
	Save as		Math Operation
	5570 55		Compare Operation
	Import Test Project		If Condition
	Import From Excel	Ctrl+I	Data Table
	Export to Excel	Ctrl+E	Call Method
	Share twiz Project		Basic Javascript
	License Information		Javascript
	Every Every	A1+. E4	Basic Element Html5
	EXIL	AIL+F4	While Operation
			Image Compare
			Random Email ID
			Fork
ىقد	T. (2) . [M]		Data Table Comparison
1Q:	Test Command 🐹 📙	Methods	Rest Web Service
Sear	ch		SOAP Web Service

3.2 Process to Create & Manage Test Project, Test Suite & Test Suite

3.2.1 Steps to Create New Project

Here's the step-by-step process to create and manage Test Projects, Test Suites & Test Scripts in TestingWhiz

3.2.1.1 Add a New Project





OR

Click on **File** and then click **New**.

<u>F</u> ile	<u>E</u> dit <u>S</u> e	ttings	Tools	Schedule
	New			Ctrl+N
	Open			Ctrl+O
	Open Sar	mple		•
	Save			Ctrl+S
	Save as			
	Import T	est Proj	ect	
	Import Fr	rom Exc	el	Ctrl+I
	Export to	Excel		Ctrl+E
	Share twi	z Projec	t	
	License Ir	nformat	tion	
	Exit			Alt+F4

Enter the Project Information in the form as shown below and click **Save**.

<u>File Edit Settings Tools Scheduler Support View Help</u>			
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😢 *Test Project 🗊 Data Table 🧧 Objects 📃 !	🛓 Test Editor 🔠 Test Data 📥 Outline	e 🐔 Project Details 🛛	
Test Project	Project Information		
	Project Name *	Test Project 1	
	Project URL	www.testing-whiz.com	
	Test Execution Cycle	1	0
	Environment	Development	
🎪 Test Command 🙁 🧧 Methods 💷 Variable 😻 😒 🗖 🗆	Project Description	Download	0
Search	Build Version	5.3	0
End If	Build Date	5/15/2017	
► Execute	Base URL	www.testing-whiz.com	0
Yer Exit Export To	Automation Prepared By	Whiz Team	0
▶	Total number of Test Case	0	
⊳ to File			
Fork End			
Pork Start		Save Reset	
Highlight 🔹			



3.2.2 Steps to Add & Manage Test Suite under Test Project

3.2.2.1 Add a New Test Suite

Select the Test Project as created in <u>Step 3.2.1.1</u> and click button to add a **New Test Suite** within the Test Project.

OR

Right Click on Test Project and click **Add**.



Give an appropriate name of the **Test Suite** in the pop-up as shown below and click **OK**.

<u>File Edit Settings Tools Scheduler Support View H</u> elp	
	刘 📃 💿 🌌 🛤 🚖 🚱 👗 🔕 🔘
😢 *Test Project 🗐 Data Table 🧧 Objects 🖓 🗆	🔩 Test Editor 🔡 Test Data 📥 Outline 🚯 Project Details
$\textcircled{\begin{tabular}{c} \hline \hline$	
Test Project	# Test Command Action Object Value Screenshot Description
	New Test Suite
	Test Suite Name
	Test Suite 1
	OK Cancel



3.2.2.2 Delete a Test Suite

Select a Test Suite and click 🗖 to delete that Test Suite.

OR

Right Click on a particular Test Suite and click **Delete**.



3.2.2.3 Move Up or Move Down a Test Suite

Select a Test Suite and click or respectively to Move Up or Move Down that particular Test Suite.

OR

Right Click on Test Suite and click **Move Up** or **Move Down**.



<u>File Edit S</u> ettings <u>T</u> ools <u>S</u> o	heduler S <u>u</u> pport <u>V</u> iew:	<u>H</u> elp
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😢 *Test Project 🔳 Data Tab	le 📒 Objects	
	≥ ≈ + -	
4 📷 Test Project		
📄 Test Suite 1		
Test Suite2	+ Add	
	Delete	
	Cut	
	🗐 Сору	
	Paste	
	Skip	
	Rename	
	Move Up	
🐞 Test Command 🛛 📒 N	 Move Down 	
Search	Properties	
· · · · · · · · · · · · · · · · · · ·		

3.2.2.4 Cut, Copy, Skip a Test Suite

Select a Test Suite and right click on it to Cut, Copy, Skip or Rename that Test Suite.

😢 *Test Project 🗐 Data Table		Objects	- 8
			- 2
4 🙀 Test Project			
Test Suite	Ŧ	Add	
		Delete	
	X	Cut	
		Сору	
	D	Paste	
	0	Skip	
	AB	Rename	
Met Command 23		Move Up	* *
Search		Move Down	
Break		Properties	

3.2.2.5 Rename a Test Suite

Right click on a Test Suite and click Rename. Alternately, Press F2 to rename the selected Test suite.



🛞 Test Project 🔳 Data Table 📒	Objec	ts	
	≥(*+	- 🖉
4 📷 Test Project			
📄 New Test Suite			
	E	Add	
		Delete	
	X	Cut	
	٦	Сору	
	C	Paste	
	2	Skip	
	A B	Rename	
		Move Up	
🐞 Test Command 🛛 🧧 Methods		Move Down	
c		Properties	

3.2.2.6 Describe Properties of a Test Suite

Select a Test Suite. Right click on it and select Properties.

<u>File Edit Settings T</u> ools	<u>S</u> cheduler S <u>u</u> pport	<u>V</u> iew <u>H</u> elp
🧧 📕 🛛 🐺	🛛 🛛 🖉 🖉	• >•][
😢 *Test Project 🔳 Data T	able 🧧 Objects	
	¥ 🖈 🕂	
4 🙀 Test Project		
Test Suite 1		
	- Add	
	Delete	
(X	Cut	
	Paste	
	Skip	
A	Rename	
	Move Up	
🌞 Test Command 🛛 🛛	Move Down	**
Search	Properties	

[Note: A Dialog Box as shown below will pop-up which will allow a user to describe Test Suite Name, Priority, Description (Optional) and Requirement Reference (Optional). User can also refer Properties Dialog Box to check details like **Created Date**, **Last Modified Date**, **Last Run Date** and **Status** of a particular Test Suite.]



Properties	
Test Project - Test S	uite 1
Name *	Test Suite 1
Priority	Medium 👻
Description	
Requirement Reference	
Created on	Monday 15 May 2017 16:35 IST
Last Modified On	Monday 15 May 2017 16:35 IST
Last Run Status	Test Suite 1 is not played yet.
Last Run on	Test Suite 1 is not played yet.
No Of Children	0
	OK Cancel Next Previous



3.2.3 Steps to Add & Manage Test Cases & Test Scripts

3.2.3.1 Add a Test Case

Select the Test Suite as created in <u>Step 3.2.1.1</u> and click to create a New **Test Case** within that Test Suite.

OR

Right click on the Test Suite and click **Add**.



Give an appropriate name of the **Test Case** in the pop-up as shown below and click **OK**.

Eile Edit Settings Iools Scheduler Support View Help Image: Support Image: Support Image: Support Image: Support Image: Support Image: Support			M -		<u>نه</u>		
Contract Table Objects	Test	Editor Test Da	ata 📥 Outline				
$\mathbb{X} \otimes \mathbb{H} = \mathbb{A} \setminus \mathbb{Z}$							
 Test Project 	#	Test Command	Action	Object	Value	Screenshot	Description
Test Suite 1							
			New Test Case		×		
			Test Case Name				
		r	Test Case 1				
		·					
				ОК	Cancel		
🌞 Test Command 🛛 🍯 Methods 🔝 Variable 😻 📚 🗖 🗖							

3.2.3.2 Create Test Steps



Select a Test Case and click + button from the **Test Editor Section** to add Test Step.

Edit Settings Iools Scheduler Support View Help				G. 🐳	∲ ●		
*Test Project 🗊 Data Table j Objects 🗖 🗆	Te Te	est Editor 🔠 Test Data	📥 Outline				X 🖲 🗅 🛨 🗖 🗖 🗖
× * + - • • Z] Test C	ase 1					Add
p Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
4 🙀 Test Suite 1							
💏 Test Case 1							

OR

Right click on the blank area of Test Editor and click Add.

ile <u>E</u> dit <u>S</u> ettings <u>I</u> ools <u>S</u> cheduler <u>Support V</u> iew <u>H</u> elp		>		(🚳 🖬
🗳 *Test Project 📄 Data Table 📁 Objects 🖓 🗖	4	Test E	ditor		Test Da	ata 📥 Outline
$\mathbf{i} \mathbf{k} + \mathbf{-} \mathbf{k} \mathbf{v} \mathbf{k}$	Test	Case 1	1			
Test Project	#		Test (Comm	nand	Action
Image: Source 1 Image: Sour				C		
🚵 Test Case 1						aa
🕸 Test Case 2				-	D	elete
					χC	ut
				[D) C	ору
				1	B) Pa	aste
				-	Т	oggle Breakpoint
					M	love Up
					• M	love Down
				- [C	reate Method

After adding a Test Step, add the necessary information to the Test Step in the following process:

Step 1: Add a Test Step.

Step 2: Select Test command to perform from the drop-down list.

Step 3: Select necessary Action, Object and Input Value in the corresponding row, depending on the testing scenario.

Step 4: Check/uncheck the option of the screenshot.

Step 5: Enter Description if necessary.

Step 6: Add the Next Test Step.

Step 7: Repeat the process in the same manner to create a complete Test Script.



<u>File Edit Settings Tools Scheduler Support View Help</u>							
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😂 *Test Project 🗾 Data Table 🧧 Objects 📃 🗆	堶 Test	Editor 📕 Test Data	📥 Outline				
$\checkmark \diamondsuit + - \blacktriangle \checkmark \swarrow$	Test Cas	e 1					
Ist Project	*	Test Command	Action	Object	Value	Screenshot	Description
A Note 1	X1	Check	Select				
Test Case 1			Select	·			
🐞 Test Case 2			Checked Cookie Current Page URL Disabled				
Test Command 🛛 🎦 Methods 🕼 Variable 😵 🔊 🗆							
-							
O Call Method	<u> </u>						
> 🔂 Capture							
Check							
Elean							
Click							
Click And Wait							
Click By Co-ordinates							
> 🔅 Compare							
- Continue							
Data Table							
Database -							

[Note: Series of Test Steps is called Test Script.]

[**Note:** User can also create Test Scripts by Importing Test Script or by using the Recording function.]

Refer Section - Import Test Script and Record Test Script to learn more.



Sample Test Script to Log into Makemytrip.com without Password and Verify
the Text

Step 1: Create Test Case under Test Suite.

Step 2: Name the Test Case 'Login'.

Step 3: Add a Test Step and input serial number.

Step 4: Select the 'Open Page' Test command.

Step 5: Add **'https://support.makemytrip.com/customersupports.aspx'** as Value in the corresponding row.

Step 6: Select Test commands as 'Input', Object 'UC1_email' and add Value as 'test@test.com'.

Step 7: Select Test commands as **'Click'** and add Object as **'plainpassword'** (plainpassword will attempt to login without password).

Step 8: Select Test commands as 'Click And Wait' and Object as 'javascript:void(0);

Step 9: Select Test commands as '**Highlight**' and Object as '**errormsg_password**' (this step will highlight error message for not entering the password while logging in).

Step 10: Select Test commands as **'Verify'** with Action as **'Text'** and place Value as **'Please enter your Password'**.

Content Project Data Table - Objects	🍾 Tes	t Editor 📕 Test Data	🛔 📥 Outline			
4 🐻 Test Project	Login					
a 🛅 Test Suite	#	Test Command	Action	Object	Value	Screen
🔹 Login	1	Open Page			https://support.makem	
	2	Input		UC1_email	test@test.com	
	3	Click		UC1_txtPasswo		
	4	Click And Wait		🧫 javascript:void		
	5	Highlight		flL error_msg		
	6	Verify	Text		Please enter your Passw	

3.2.3.3 Manage Test Steps

Delete, Cut, Copy or **Move** the Test Steps by using the buttons on the **Test Editor** OR by right clicking on the Test Steps.

Tes	t Editor Test Dat	a 🐴 Outline				
ogin						
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			https://support.makem		
2	Input		UC1_email	test@test.com		
3	Click		UC1_btPasswo			
4	Click And Wait		javascript:void			
5	Highlight		flL error_msg			
6	Verify	Text		Please enter your Passw		



3.2.3.4 Add Toggle BreakPoint to a Test Step

Right click on a Test Step to put **Toggle BreakPoint** to that step.

Test	Editor Test Dat	a 📇 Outline				
Login						
*	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			https://support.makem		
2	Input		UC1_email	test@test.com		
3	Click		UC1_txtPasswo			
4	· · · · ·		🥃 javascript:void			
5	Add		flL error_msg			
6	- Delete			Please enter your Passw		
	X Cut					
_	Сору					
	Paste					
	Skip					
-	Coggle Breakp	oint				
	Move Up					
_	Move Down					

[Note: This function will automatically pause the execution once it reaches the pre-defined Test Step. This kind of function is useful when a website requires some manual input/intervention during execution. For e.g., Inserting a Captcha Code while filling a form in some websites.]

3.2.3.5 Delete a Test Script

Select a Test Script and click body to delete that Test Case.

OR

Right Click on a Test Script and click **Delete**.



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	3	s 🚖 🕂 🗖 🗸	
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A Test Suite 1			
Test Case 1		Evecute	
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		cop;	
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	9	Skip	
	••	Fork	
💩 Test Command 🔀 🧖 Metł	A B	Rename	a i
Search		Move Up	
Mit p 1		Move Down	
Break	-		Â
Call Method		Properties	Ξ
Ser Capture	_		



3.2.3.6 Move Up or Move Down a Test Script

Select a Test Script and click Solver or respectively to Move Up or Move Down that particular Test Script.

OR

Right Click on and click **Move Up** or **Move Down**.





3.2.3.7 Cut, Copy and Skip a Test Script

Select a Test Script and right click on it to Cut, Copy, or Skip that Test Script.

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4 🜄 Test Suite 1		
Test Case 1		-
of the set Case 2		Execute
	\Box	Delete
	K	Cut
	D	Сору
	B	Paste
	2	Skip
	Þ	Fork
🎪 Test Command 🛛 🧾 Methods	AB	Rename
Search		Move Up
🔅 Break	◄	Move Down
Call Method		Properties
Cantura	-	

3.2.3.8 Fork

Select a Test Case and right click on it to Fork. Fork function allows users to execute Test Cases on multiple browsers simultaneously from the same instance.

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[Note: Default multiple browser opens from the instance i.e. Mozilla Firefox.]

3.2.3.9 Rename a Test Script

Right click on a Test Script and click Rename. Alternately, Press F2 to rename the selected Test Script.

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😢 *Test Project 🔳 Data Tal	ble 🧧 Objects	
	**	
a 🝺 Test Project		
4 🛐 Test Suite 1		
💏 Test Case 1		
🌸 Test Case 🕨	Execute	
E	Delete	
X	Cut	
	Сору	
	Paste	
	Skip	
•	Fork	
🐞 Test Command 🛛 🕇 🎦	Rename	≈ ≈ □
Search) Move Up	
Break) Move Down	
Call Method	Properties	Ξ
Canture	Properties	

3.2.3.10 Describe Test Script details in Properties

Select a Test Script. Right click on it and select Properties.



<u>File E</u> dit <u>S</u> ettings <u>T</u> ools <u>S</u> c	hedul	ler S <u>u</u> pport <u>V</u> iew	<u>H</u> elp
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😂 *Test Project 🔳 Data Tabl	e	Objects	
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Test Suite 1			
Test Case 1		Execute	
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	X	Cut	
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	റ	Skip	
	₽	Fork	
💩 Test Command 🖾 🗾 M	A B	Rename	
Search		Move Up	
Prosk	◄	Move Down	
Call Mathod		Properties	
		Properties	=

[Note: A Dialog Box as shown below will pop-up which will allow a user to describe Test Script Name, Description (Optional) and Requirement Reference (Optional). User can also refer Properties Dialog Box to check details like **Created Date**, **Last Modified Date**, **Last Run Date** and **Status** of a particular Test Script.]

Properties						×
Test Suite 1 - Test	Case 1					
Name	* Test Case 1					
Priority	Medium 👻					
Description	1	*				
Description		Ŧ				
Requirement Reference						
Created on	Monday 15 May 2017 17:00 IST					
Last Modified On	Monday 15 May 2017 17:04 IST					
Last Run Status	Test Case 1 is not played yet.					
Last Run on	Test Case 1 is not played yet.					
No Of Steps	1					
			ОК	Cancel	Next	Previous



3.3 Compare File Utility

Compare file utility allows users to compare Test Project/Test Suites/Test Cases of two TestingWhiz Project files. Side-by-side comparison window can be utilized to analyze the difference between two test cases. It also allows users to copy a Test Step/Test Case from one file to another, and make changes accordingly in their desired file.

Steps to compare twiz files:

1. Click on Compare File from File menu of TestingWhiz.



2. Browse files for comparison and click on **OK** as follows:

😢 Compare File	\times
Choose File A : C:\Users\ \Desktop\f1.twiz	
Choose File B File B : C:\Users\ \Desktop\f2.twiz	
OK Cancel	

3. Users can analyze and make changes in their respective files if needed from the File comparison window as follows:



🖗 Testin	gWhiz Enterprise - Ne	w File									-	٥	×
<u>File</u> dir	t Settings Tools	Scheduler Support View	V Help				না		151				
								- AF	755				
C Test	Project A				× 6 ⁻ 8	C Tes	t Project B					× 6 -	
Test Proje	ct A :C:\Users\ \D	esktop\f1.twiz				Test Proj	ect B :C:\Users\	\Desk	ctop\f2.twiz				
× 💽	Test Project					× •	Test Project						
#	Test Command	Action	Object	Value	Screenshot E	#	Test Comman	nd /	Action	Object	Value	Screensh	iot E
1	Open Page			http://testing-whiz.com		1	Open Page				http://testing-whiz.com		C
2	Loop Start		-	2	H H	2	Loop Start			T		-	H
	Copy		± txtUser	S{LoginData.username}		3	Input			1 txtUser	S{LoginData.username}	<u> </u>	
5 0			- the basis	s(LoginData.password)		4	Click And Wai	æ		btplogin	s{LoginData.password}	-	- "
6] Paste		btilebyin			6	Loon End	iii.		buicogin			-ì
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- 4. Click on the Save button of the respective file to save the changes made.
 X ⊨ □ □
- 5. Click on close button after completing the changes.



4 PROCESS OF CREATING, EXECUTING, REPORTING & MANAGING TESTS IN TESTINGWHIZ

4.1 Create, Record and Import Automation Test Scripts

There are three methods of generating Test Scripts. Let us understand each of these three ways of generating Test Scripts.

- 1. Creating Manually
- 2. Recording (Using Internal Browser and External Browser)
- 3. Importing

4.1.1 Create Test Automation Scripts Manually

To execute a test, create a Test Script under Test Suite.

Refer Section – <u>Steps to Add & Manage Test Scripts</u> to understand the process of creating Test Scripts.

4.1.2 Record to Create Test Script Using Internal Browser

User can record test scripts to avoid creating scripts manually. Follow these simple steps to generate a test script by recording:

4.1.2.1 Switch On Recording

Click on the Tool Bar to switch on Recording on the browser of preference.

[Note: The moment a user clicks on the Record button, it will turn Red

OR

Click **Recording** button on the **Welcome screen**.



TestingWhiz Enterprise - New File File File File File File File File			
Welcome 🛛			Å (> → ⁻ #
	📽 Tes	tingWhiz™	
	Recording Start recording a new Automated Test Script with TestingWhiz TM .	Check Samples Get started with some TestingWhiz™ sample scripts.	
	Configuration Set your Email, Language, Browser and Integration Preference.	Help Manuals, Release Notes and Online Documentation.	

4.1.2.2 Enter Browser Control

Enter the URL of the website to test (For e.g. www.google.com).

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😢 *Test Project 🧧 Objects 🗖 🗆	🔅 Record 🕱	
$\mathbf{v} \mathbf{a} + \mathbf{v} \mathbf{a} \mathbf{v}$	Browser Control	Object Eye
Test Project	www.google.com	ID XPath HTML
 Test Suite 1 Test Case 1 	Done	Name Tag HTML

4.1.2.3 Start Recording

Click near the Browser Control to begin the execution process. TestingWhiz will open the website in the Test Editor section.

Perform the required function like search, fill contact form, etc. (For e.g., Search '**Hotels in New York**').

Test scripts will start getting generated simultaneously in the bottom left section as user performs function.

Perform the necessary process further to complete the recording process.



🖇 TestingWhiz Enterprise - New File	
<u>Eile Edit Settings Tools Scheduler Support View Help</u>	
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📽 *Test Project 🧧 *Objects " 🗆	😵 Record 🛛 🖓 🗖
$\mathbf{v} \otimes \mathbf{i} = \mathbf{v} \mathbf{v}$	Revenue Control Object See
4 💽 Test Project	
Test Suite 1	
- Test Case 1	Done Tag DIV
	Google+ Search Images Maps Play YouTube News Gmail More - Khushi Chhatbar - 🌣
	Hotels in New York Advanced search Language tools
🍢 Test Editor 🛛 🕺 🗒 🕒 🕂 🗕 🛋 💌 " 🗆	Google Search I'm Feeling Lucky
Test Case 1	
# Test Command Action Object	
1 Open Page	Google.co.in offered in: हिन्दी বাংশী ভল্লক স্বাক্তী ক্রিটেটি তুওিংবের্ধি চরুরে এটাজেটেন্দ্রিত ধনম্বা
2 Input 1 q	
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	© 2017 - Privacy - Terms
	Google

😢 TestingWhiz Enterprise - New File	
<u>File Edit Settings Tools Scheduler Support View Help</u>	
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V A + A V Z Test Project Test Suite 1 Test Case 1	Browser Control Diject Eye Done Done Done Done Done Done Done Don
	Google Hotels in New York
	All Images Videos News Maps Books About 192,000,000 results
	Any country Country: India 500 Hotels in New York NY - Half-Price Hotels. Book now. [A] www.booking.com/New York-Ny/Hotels - 4.5 + * * * * * * * * * * * * * * * * * *
Test Case 1	Any time Book your Hotel in New York NY online. No reservation costs. Great rates. Secure Booking - We speak your language - Get Instant Confirmation
# Test Command Action Object 1 Open Page 2 Input In a	Past nour Book Now No Booking Fees Past week Book for Tomorrow Book for Tonight Past month
3 Click 7 binG	Past year Hotels in New York from 04716 - 1898 Hotels to choose from. [a] www.trixago.in/Hotels/NewYorkCity ~
K	Image: Comparison of Compar

[Note: While recording the test steps, a user can any time click back or forward buttons to add previous and next steps in the test script respectively.]



4.1.2.4 Switch off the Recording

Click on button to stop the recording once a user reaches the desired step(s).

The tool will automatically generate the script based on the steps followed during the recording process.

Here is the example of the test script generated by recording the process of searching '*Hotels in New York*' in <u>www.google.com</u>.

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堶 Test	Editor 📕 Test Data	📇 Outline				
Test Cas	e1					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://www.google.com		
2	Input		1 ч	Hotels in New York		
3	Click		🌙 btnG			
4	Click		Alias_15052017			
	Test Cas	Test Editor Test Data Test Case 1 Test Case 1 Test Case 1 Test Command 1 Open Page 2 Input 3 Click 4 Click	Test Editor Test Data Outline Test Case 1 Test Command Compand Compan	Test Editor Test Data Outline Test Case 1 Test Command Action Object Generation Object	Test Editor Test Data Outline Test Case 1 Test Command Action Object Value 1 Open Page 2 Input 9 3 Click 9 4 Click 2 Alias 15052017	Test Editor Test Data Outline Test Cose1 Image: Command Action Object Value Screenshot 1 Open Page Http://www.google.com 2 Input Image: Page 3 Click Image: Page 4 Click Atlas 15052017

4.1.3 Record to Create Test Script Using External Browser

User can also generate Test Scripts by recording using external browser. Follow these simple steps to record using external browser.

4.1.3.1 Switch On Recording



[Note: The moment a user switches on the Recording, it will turn Red 🦳 .]

[Note: A new window will get opened on Google Chrome.]



TestingWhiz External Rec: ×	
$\leftarrow \Rightarrow \mathbf{C}$ [] localhost:8095	☆ =
TestingWhiz Code Less. Test More	
Start: Enter the URL to start recording from	Go
This is the landing page for the external recorder. The same recording rules will apply here as those seen in the inbuilt record will be able to record events inside Iframes. However, this recorder does NOT support recording of HTTPS sites.	rder. Additionally, you



4.1.3.2 Enter URL

Enter the URL of the website to test (For e.g. <u>www.google.com</u>).

Click Go near the Browser Control to begin the recording process. The website will be open the website in the external browser window.



Perform the required function like search, fill contact form, etc. (For e.g., Search '**Hotels in New York**').





Test Script will start getting generated in the bottom left section as you perform function. (For e.g. Search 'Hotels in New York').



Perform the necessary process further to complete the recording process.



4.1.3.3 Switch off the Recording

On reaching the desired point of recording the test steps, click on button to stop the recording.

The tool will automatically generate the script based on the steps followed during recording process.

In this case, we browsed 2 pages of Google search results for the Hotels in New York. Here's the script generated:

😢 TestingWhiz Enterprise - New File	1	an hear a	-										
Eile Edit Settings Iools Scheduler Support View Help													
🕲 *Test Project 🗐 Data Table 🧧 *Objects 🔹 🔍 🦌 Test Editor 🌐 Test Data 🛔 Outline													
$\checkmark \And + - \land \checkmark \swarrow$	Test Cas	st Case 1											
4 😱 Test Project	=	Test Command	Action	Object	Value	Screenshot	Description						
Test Suite 1	1	Open Page			http://www.google.com								
🕸 Test Case 1	2	Input		1 ч	Hotels in New York								
	3	Click		itnG									
	4	Click		Alias_15052017									
	-												
			-										

4.1.4 Record to Create Test Script using Visual Recorder

User can generate Test Script by recording using Visual Recorder.

4.1.4.1 Switch on Recording

Click • to switch on recording.

😢 Testin	😂 TestingWhiz Enterprise - New File												
File Edit	t Settings Tools	Scheduler	Support Vie	w Help									
	5	X	•	>-						\bigcirc	01 1	¥	Ø
								-					

[Note: The moment a user switches on the Recording, it will turn red

Clicking on the Visual Recorder opens up the dialog box.



1. Click on butto	n to start full screen recorder.
2. Alt + Tab to s	witch between applications.
3. Drag to select	screen area.
4. You can use P	rint Screen and Ctrl + V too.
sion	START RECORDING

4.1.4.2 Start Recording

On clicking "Start Recording", the visual recorder will start recording the screen.

For e.g. Select an area on calculator to record. That will open the options for action. To click on

😢 TestingWhiz Enterprise - New File							_	_	-	_		- # X
File Edit Settings Tools Scheduler Support View Help												
<u> 📮 📕 🕺 🕺 🔾 - 🕨 I </u>					🗰 🕸 👘							
📽 *Test Project 🔳 Data Table 🧮 *Objects 👘 🗖	🍢 Test	Editor 🔠 Test Data	📥 Outline 🧲	Reports -Test Project					X) (E		+ -	
	New Tes	t Case										
- Test Project	#	Test Command	Action	Object	Value	Screen	shot D	escripti	on			
A Dew Test Suite	1	Visual	Click	👁 startBttn								
🕸 New Test Case	2	Visual	Input	Search	Calc							
	3	Visual	Click	Calc								
	4	Visual	Click	👁 num1								
		Connect		K T								
		Cancel	Click		nput							
		1				_						
	2	Double Click	Right	Click 🚺 🚺 N	/liddle Click		🖥 Calcu	ulator			1 22	
							⊻iew J	Edit <u>H</u>	elp			
	1	Scroll	Drag		lion							
	1000	501011									0	
Test Command 🛛 🧾 Methods 🔝 Variable 😵 🕿 🗆							мс	MR	MS	M+	M	
Search	Hove	er	Ctrl Contr	ol Click	Shift Click							
Break _			_				-	CE	C	±	4	
Call Method			Read Text				7	8	9	1	%	
Capture							4	5	6	*	1/x	
General General							1					
Click							<u> </u>	4	3	\square	=	
Click And Wait							0			+		
Compare								_				
Continue												
🖻 🏘 Data Table												
Database												
> 🕸 Delete 👻												

number 4, we have to select "Click" action.

Test script will be generated automatically.



Section Whiz Enterprise - New File								
File Edit Settings Tools Scheduler Support View Help								
📁 📕 🕺 💐 🔾 - 🕨 🛽				\bigcirc	🔂	Ø.		
📽 *Test Project 🗐 Data Table 🧧 *Objects 🗌 🗌	🍡 Tes	t Editor 📕 Test Data	📥 Outline 🤩 R	eports -T	est Project			X D 🖿 🗕 📼 🗖 🗖
$\mathbf{v} \mathbf{a} + \mathbf{-} \mathbf{a} \mathbf{v} \mathbf{z}$	New Te:	st Case						
 Test Project 	#	Test Command	Action	C	Object	Value	Screenshot	Description
A Dew Test Suite	1	Visual	Click	0	▶ number1		Π	
Rew Test Case	l							
	l							
	l							
🏘 Test Command 🛛 🌅 Methods 🔝 Variable 😵 🕿 🗆								
Search								
Break A								
Gall Method	l							
> 💩 Capture								
> 💩 Check								
> 🎂 Clean								
Olick Click								
Click And Wait								
> 🏟 Compare								
🔅 Continue								
> 🏟 Data Table								
Database								
> 🔅 Delete 🔹								

Perform the necessary process further to complete the recording process.

4.1.4.3 Switch off the Recording

Click on button to stop the recording once the user has finished the desired scenario. The tool will automatically generate all the test steps according to the scenario as shown in the above image.



4.1.5 Import Test Script

Import Test Script is another feature that lets a user build test automation scripts. User can import script file in **Excel** or .twiz format by following below mentioned steps.

4.1.5.1 Import Test Project

Click from the Tool Bar to import Test Script stored in .twiz file.

FestingWhiz Enterprise - New File	Thatase Sector: 2 County			
© Open		😒 💀 🕉 🔇	0	
Desktop	 ✓ ✓ ✓ Search Desktop 			
Organize 🔻 New folder	÷. • 🗋 🔞			
Favorites	м Ш	Object Value	Screenshot	t Description
Downloads Recent Places OneDrive Khushboo Chhatbar System Folder				
Libraries Documents Documents Computer System Folder	Select a file to preview.			
Music Pictures Videos				
Cv File folder	-			
File name:	TWIZ Testing Whiz File Open Cancel			
 Gopore Check Great 				

OR

Open File menu and click Import Test Project.





4.1.6 Import from Excel

Click from the Tool Bar to import Test Script saved as .xlsx or .xls.

Save As	(0 · p · f)	PE 10 .	×	🖻	🍑 🔇 🐳			
Desktop	•	✓ ✓ Search Desktop	م ر				X 🛛 🗅 🕂 (
Organize 🔻 New fol	der							
☆ Favorites	TWIZ File		^	Object	Value	Screenshot	Description	
Nesktop	Besiete Shertert							
Downloads	Shortcut							
E Recent Places	1.74 KB							
OneDrive	Registration Form Script.twiz TWIZ File							
🔚 Libraries	21.9 KB							
Documents	Shortcut to Khushboo							
J Music	Shortcut							
E Pictures	Welfer From Defermenter		-					
😸 Videos	TWIZ File 169 KB		-					
File name: Wul	Foo_Form_Performance.twiz		•					
Save as type: TWI	Z Testing Whiz File		-					
Hide Folders		Save	Cancel					
T				,				
Check								
Clean								

OR

Open File menu and click **Import from Excel**.

File	<u>Edit</u> <u>Settings</u> <u>T</u> ools	s Support	<u>H</u> elp
	New	Ctrl+N	
	Open		Export Record
	Open Sample	•	
	Save	Ctrl+S	Objects
	Save as		
	Import Test Project		
	Import From Excel	Ctrl+I	
	Export to Excel	Ctrl+E	
	Share twiz Project		
	License Information		
	Exit	$\Delta It + F4$	



4.2 Execute Test Script

4.2.1 Select Browser

Click down arrow in the to select the browser to execute the created/imported/recorded Test Script(s).

[**Note:** If a user selects a browser that doesn't exist in the system, and if fallback browser flag from **Settings>Configuration>Execution** is selected then, TestingWhiz will fall back to another browser and execute the Test Script.]

4.2.2 Run Test Script

Click from the Tool Bar to execute a Test Script.

est Project 🗊 Data Table 🥣 "Objects		Google Chrome	Test Data	A Outine				
**	E.	Mooilla Firefox						
Test Project	0	Internet Explorer	# Command	Action	Object	Value	Screenshot	Description
 Test Suite 	12	2.2	an Page			http://testing-whiz.com	—	Open sample page
Basic Element	e	Edge	14	Title		Testingwhiz - Basic Ba	C	Check title
	R	Headless Execution		Value	.//*(@id='input_te	Testing	0	Set value for text field
				Value	input_password	******	E	Set value for password field
		Android		Value	input_textarea	TestingWhich's an Easy-	0	Set value for text area
	-	105	k And Wait		in genderon		C	Choose a radio button
			R And Wait		H hobbies2			Select check box
		BrowserStack	• ed	Value	g option_select	Opel	C.	Select value from drop down
	100	E	 , eck	Tet		Input button		Verify text on page
	121	SAUCEND	- 10		tean 💭		C	Click on reset button
		11	Write Message To			Basic element script		Print in console

[Note: Test Script will be executed in the default browser selected by the user.]

[Note: During execution, TestingWhiz will display the Active Screen of the website being tested.]

4.3 Pause Test Execution

Click on to Pause live execution of a Test Script.



<u>File Edit Settings</u> <u>Tools</u> <u>Scheduler</u> <u>Support</u> <u>View</u> <u>H</u> elp													
📁 📕 🕺 🛒 🔾 - 🕞 🚺			🌃 🛤 🛛 🔶	94 🐳	\$\$ ©								
😢 *Test Proj 🗊 Data Table 📮 Methods 🥃 *Objects 🖓 🗖	Test	Editor 🚠 Outline [Test Data										
$\mathbf{i} \otimes \mathbf{i} + \mathbf{i} = \mathbf{i} \otimes \mathbf{i}$	Basic Eler	nent											
Test Project	*	Test Command	Action	Object	Value	Screenshot	Description						
4 📄 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page						
Basic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title						
	3	Set	Value	input_text	Testing		Set value for text field						
	4	Set	Value	input_password	******		Set value for password field						
	5	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area						
	6	Click And Wait		gender:on			Choose a radio button						
	7	Click And Wait		hobbies2			Select check box						
	8	Select	Value	option_select	Opel		Select value from drop down						
	9	Check	Text		Input button		Verify text on page						
	10	Click		🚽 reset			Click on reset button						
	11	Write Message To			Basic element script		Print in console						
10 Click rest approtector Click reset button 11 Write Message To ■ Console SI ■ Console SI													
	Progress	5:73%											
	05-17-20	17 06:03:29:517 [IN	FOI Set value Testing on in	z - Dasic Liemeni. out text									
	05-17-20	17 06:03:29.850 [INF	FO] Set value Testing on in	n Object Value Screenshot Description http://texting-whiz.com Open sample page Textingwhiz-Basic Elements e input, text Texting Set value for password field e genderion									
	05-17-20	017 06:03:30.101 [INF	FO] Set value TestingWhiz	™ is an Easy, Intuiti	ve and Affordable Test Auto	omation Solu	ution based on a robust FAST® Automation						
	Engine t	hat uses effortless a	nd intelligent recording tech	iniques like Keyword	d-Driven Testing, Data Driv	en Testing, E	Excel Inputs, Object Recorder and Java						
	5cripting	J to design and exect 117 06:03:31 473 (INF	ute test cases across brow FOI Clicked and waited on	sers. on input_texta	area.		=						
	05-17-20	017 06:04:01 277 [INF	FOI Clicked and waited on	hobbies2									
	05-17-20	017 06:04:01.319 [INF	FO] Paused test execution.										
	05-17-20)17 06:04:08.233 [INF	FO] Selected index value o	otion_select on Opel	L.								
							v						

[Note: Click on Pause button only when it has turned Green.]

4.4 Stop Test Execution

Click on to stop test execution.

Lile Ealt Settings Tools Scheanler Sabbout Alem Helb										
📔 📕 🕺 🕺 🔾 • 🕞 • 📗				🚖 强 🍑	\$\$ ©					
😂 *Test Proj 🗐 Data Table 🇾 Methods 🥃 *Objects 🙄 🗆	🍢 Test	Editor 📇 Outline	Test Data)		
	Basic Eler	ment								
4 📷 Test Project	#	Test Command	Action	Object	Value	Screenshot	Description			
4 🦳 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page			
Dasic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title			
	3	Set	Value	input_text	Testing		Set value for text field			
	4	Set	Value	input_password	******		Set value for password field			
	5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area			
	6	Click And Wait		gender:on			Choose a radio button			
	7	Click And Wait		hobbies2			Select check box			
	8	Select	Value	option_select	Opel		Select value from drop down			
	9	Check	Text		Input button		Verify text on page			
	10	Click		reset			Click on reset button			
	11	Write Message To			Basic element script		Print in console			
	🔤 Console 🛛 📃 💆									
	Progress : 45%									
	05-15-20	017 06:42:58.925 [INF	O] Opened the page	e http://testing-whiz.com/d	emoscripts/basic-element	.html.		~		
	05-15-20	017 06:42:58.950 [INF	O] Verified Title Tes	tingwhiz - Basic Element.						
	05-15-20	J17 06:42:59.276 [INI 17 06:42:59.476 [INI	-OJ Set value Testing -OJ Set value Testing	g on input_text.						
		017 06:42:59.674 [INF	OJ Set value Testing	yon input_passworu. nWhiz™ is an Easv. Intuiti	ve and Affordable Test Auto	omation Solu	ition based on a robust FAST® Automat	tion		
	Engine t	that uses effortless a	nd intelligent recordin	ng techniques like Keyword	d-Driven Testing, Data Driv	en Testing, E	Excel Inputs, Object Recorder and Java			
	Scripting	g to design and exec	ute test cases acros	s browsers. on input_texta	area.					
		-								
								-		



4.5 Move to Next Step

Click to move to the next step if any of the step contains Toggle Breakpoint from where the execution has been paused automatically.

File Edit Settings Tools Scheduler Support View Help				ັດ ×			
				신 만화 🔰	€ \$\$¥ @		
😵 *Test Proj 🗊 Data Table 🇾 Methods 🥃 *Objects 🙄 🗆	🍢 Test	Editor 📇 Outline [Test Data				
$\mathbf{x} \mathbf{x} + \mathbf{x} \mathbf{x}$	Basic Eler	ment					
4 🐻 Test Project		Test Command	Action	Object	Value	Screenshot	Description
4 🛅 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page
Basic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title
<u> </u>	3	Set	Value	input_text	Testing		Set value for text field
	4	Set	Value	input_password	******		Set value for password field
	5	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
	6	Click And Wait		gender:on			Choose a radio button
	7	Click And Wait		✓ hobbies2			Select check box
	8	Select	Value	option_select	Opel		Select value from drop down
	9	Check	Text		Input button		Verify text on page
	10	Click		reset			Click on reset button
	11	Write Message To			Basic element script		Print in console
	— Com	ala 🕅					
	≥_ Con	sole 23					E)
		0.07					
	Progres	\$:9%					
	05-15-2	017 06:44:45 879 [INF	EOI Opened the page btt	n://testing-whiz.com/d	lemoscrints/basic-element	html	
	03-13-21	011 00.44.40.010 [livi	of opened the page htt	p.meaning-Willz.com/u	ionioaonpiaradaic-elenieni		<u>^</u>
1							

[**Note:** Step 5 in the above screen contains Toggle Breakpoint where the execution has been paused automatically. Click on Next button will resume the testing to execute next step.]

Refer Section – <u>Pause Test Execution</u> & <u>Toggle BreakPoint</u> to learn more.

4.6 Check Progress and Execution Log

Check the progress and test execution log in the Console section exactly below the Test Editor.

Console 🛛	E
Progress : 45%	
5-15-2017 06:44:45.879 [INFO] Opened the page http://testing-whiz.com/demoscripts/basic-element.html.	*
5-15-2017 06:45:57.214 [INFO] Vermed intellesting on input_text. 5-15-2017 06:45:57.214 [INFO] Set value Testing on input_text. 5.15.2017 06:45:57.406 [INFO] Set value Testing on input_text.	
5-15-2017 06:45:57.605 [INFO] Set value resting Whitz™ is an Easy, Intuitive and Affordable Test Automation Solution based on a robust FAST® Automation ingine that uses effortless and intelligent recording techniques like Keyword-Driven Testing, Data Driven Testing, Excel Inputs, Object Recorder and Java Scription to design and execute test cases across browsers, on joint textarea	


4.6.1 Clear or Export Logs

Clear the summary/log of execution using $\boxed{2}$ button or Export the log using $\boxed{2}$ from the Console tab.

4.7 Test Report

At the end of the testing cycle, a report will be generated which will contain the test results along with the execution log. Test Report describes the actions performed and the results of the action.





4.7.1 Analyze Report

Scroll towards the right or click on the maximize button to view a detailed report of the test execution.

Click **Pass/Fail/Skip/Not Run** to view complete details of the test execution along with the time taken to complete each step.

	Reports - Test Project 🛛					0
		Previously executed	d reports: Report_17052017_060014]		
📽 Test Project	Case Details					
Show All Pass Fail Skip Not Run						
💩 Test Suite 🛛 🔨	Name : Basic Ele	ment				
🐵 Basic Element	Execution Time (hh:	mm:ss): 00:00:09	Priority : Medium		Status : Pass	E
	Steps					
	Activity	On	Value	Duration (ms)	Description	
	Open Page :		http://testing- whiz.com/demoscripts/basi c-element.html	3096	Open sample page	
	Verify : Title		Testingwhiz - Basic Element	201	Check title	
	Set : Value	input_text	Testing	201	Set value for text field	
	Set : Value	input_password	Testing	200	Set value for password field	

		Previous	y executed repo	rts: Report_17052	•017_060014 •			
😂 Test Project	Project Summary				Execution Detai	ls	Wednesday 17 May 2017 18:01 IST	r
Show All Pass Fail Skip Not Run				_	Project Name :	Test Project		
🚓 Test Suite 🛛 🔨		Pass	Fai	l i	rigeer nume :	reservejeee		
🐵 Basic Element		1	0		OS & Browser :	Windows 7.0	, Mozilla Firefox	
					Execution Time (hh:mm:ss) :	00:00:09		
		Sкір О	NO	t Run	Environment :			=
		0	0		RBT Enabled Execution :	False		
	C Litt				Prepared By :			
	Suite Details							
	Name	Duration (hh:mm:ss)	Priority	No. of TC	Description		Health	
	Tost Suito	00.00.00	Modium	4				-



[**Note:** *The test reports will be stored in "C:\Users\<username>\.whiz\reports" on the user's machine.*]

4.8 Log a Defect

If a test case fails, log a defect using Bug Tracking Tool.

Step 1: Click **i** from the Tool Bar. Select the Bug Tracking Tool and URL and click **Connect**.

🐳 Select a Bug Tracker	×
Bug tracking tool type: URL :	Mantis Mantis- (http://192.192.7.3:100/mantis Connect

Step 2: After the connection, has been successful, select the Project Name from the drop-down on the right side.

Step 3: Now select the respective Test Case from the left pane. [**Note:** *Details will be automatically populated in the form.*]

Step 4: Click **Submit**. A Ticket Number will be generated and the defect will be registered in the respective Bug Tracking Tool.



New Open Imp	Post Bug Connected with - Mantis - Mantis - (http		0/mantisbt-1.2.15/)	
Test Project	Test Suite	Project Name * Summary * Description *	Dummy Project Unable to Verify Title Testingwhiz - Basic Element1. Steps : 1. Opened the page http://testing-whiz.com/demoscipts/basic-element.html. 2. Unable to Verify Title Testingwhiz - Basic Element1.	Puttorm Total Execution Protect Denotion Environment
		Attachment		Badd Versier: Badd Odai: Adronation Pre Brouser Inform
Click And Wait Click And Wait Compare Continue			Submit Cancel	, .

[**Note:** *This feature will function only if a user has set Bug Tracking Tool credentials in the Configuration section.*]

[**Note:** After a user submits the defect once, the Submit button will become disabled so as to prevent the user from submitting the same defect again as a duplicate.]

4.9 Email Report

Email complete report of the executed test cases using the Email Report feature.

Step 1: Click from the Tool Bar.

Step 2: Enter recipient's email id in the 'To' field.

Step 3: Enter **Subject** and **Message Content** and click to send the report.



-		
10	info@testing-whiz.com	
Attachment	C:\Users\rpkavaiya\.whiz\reports\Report_13032014_031824.zip	
Subject	Button Submit Report	
Message Conte	int	
Hello,		
Diasce find att	and a life three Colorest Descent	
Flease find att	ached Button Submit Report.	
These find att	ached Button Submit Report.	
Thanks	ached Button Submit Report.	
Thanks	ached Button Submit Report.	
Thanks	ached Button Submit Keport.	
Thanks	ached Button Submit Keport.	
Thanks	ached Button Submit Keport.	
Thanks	ached Button Submit Keport.	
Signature	ached Button Submit Keport.	

[Note: This feature will function only if a user has set Email Preferences in the Configuration section.]



5 KEYWORD-DRIVEN & DATA DRIVEN TESTING IN TESTINGWHIZ

5.1 Keyword-Driven Testing

Using Keyword-driven testing approach, TestingWhiz separates much of the programming work of Test Automation from the actual Test Design. Testers or Test designers can write the test cases based on a set of keywords into a table. The test is executed using a driver that reads the keywords and executes the corresponding codes.

5.1.1 Setting up Keyword-Driven Test Script

Step 1: Create a Test Suite under Test Project.

Step 2: Add a Test case.

Step 3: Select Test Command from the available test commands as a keyword which associates with the action to be performed.

Step 4: Add Value in the corresponding cell to perform the function.

Step 5: Complete the Test Script as per the steps mentioned in section 3.2.3.

Sample Test Scrip	ot to open – <u>w</u>	ww.goo	gle.com	
Step 1: Create a Test Suite under Test P	roject.			
Step 2: Add a Test case.				
Step 3: Go to Test command and pick the	he option ' Oper	1 Page ' fr	om the drop	down.
Step 4: Put <u>www.google.com</u> in 'Value'	column.			
*Test Project Test Project Test Project Test Suite Test Case	Test Editor Test Data Test Case # Test Command 1 Open Page	Action	Object	Value www.google.com

5.2 Data-Driven Testing

Testing a particular module for various valid/invalid combinations of data sets is a vital requirement before QA can provide sign off for a particular test suite. Testing a module with positive, negative and random data set consumes time and effort. TestingWhiz lets a user test an



application with a different set of input values and ensures that the application works as expected. This is particularly useful while running quick regression cycles.

5.2.1 Setting up Data-Driven Test Script

Step 1: Click on Data table tab

- Step 2: Add a new data table
- Step 3: Specify the name of the data table

Step 4: Add the fields and the default input values to perform the test

Step 5: Add the data to the fields created manually or by importing data from an Excel file using the import button

Step 6: Once the fields and the default input values are defined, create a Test Script in the Test Project Section with a Test command that fetches data from the Data table

Sample Data Driven Test Script to Log in	www.testing-whiz.com	<mark>n</mark> w	vith di	fferent	
usernames and	l passwords				
	😢 Test Project 🗐 Data Table 🛛 📑 "Objects	Te	st Editor 🔠 Tes	t Data 🛛 🛓 Outline	
Create Data in Data table	Data Table	LoginD	lata		
	DoginData	#	username	password	
		1	admin	annun 11 22	
		3	admin	111	
		4	111	admin	
Ctor 1. Add a new Data table in Data table tab		5	admin	admin	
Step 1: Add a new Data table in Data table tab.					
Step 2: Name the Data table as 'Login Data'.					
Step 3: Add Fields as 'Username' and 'Password'.					
Step 4: Add different sets of usernames and pass	swords as data, manually c	or by	/ impo	rting an	
Excel file.					



Create Test Script to Call/Fetch data created in the Data table.

Step 5: Add a Test Case and select Test command as **'Open Page'** and add Value as **'http://testing-whiz.com/demoscripts/place-holder.html'**.

Step 6: Add next step and select 'Loop Start' or 'Loop End' or 'Loop Continue' or 'Loop
Break' as Test command to loop the process of login with different usernames and
passwords. Add Value as 'Login Data' (from Data table) to fetch all the usernames and
passwords stored in the Data table.

Step 7: Select Test command as 'Input', add Object as 'txtPass' and insert Value as

'\${LoginData.username}'.

Step 8: Select Test command as 'Input', add Object as 'txtPass' and insert Value as

'\${LoginData.password}'.

Step 9: Select Test command as **'Click And Wait'** and Object as **'btnLogin'** (To click and wait for login after each combination of usernames and passwords).

Step 10: Select Test command as **'Loop End'** (To try logging in with various usernames and passwords until the login is successful).

<u>File Edit Settings Tools Scheduler Support View H</u> elp							
			🌉 🛤 🛛 🔶	强 🎽	 ◎		
P C Test Project Data Table Objects	堶 Test	Editor 📕 Test Data	🛔 Outline 🕒 Reports	- Test Project			
	Login						
 Test Project 	#	Test Command	Action	Object	Value	Screenshot	Description
Test Suite	1	Open Page			http://testing-whiz.com		Open page
A Login	2	Loop Start			2		Iterate over data table LoginData
	3	Input		txtUser	\${LoginData.username}		Input username using data table to textfield
	4	Input		txtPass	\${LoginData.password}		Input password using data table to textfield
	5	Click And Wait		btnLogin			Click on submit button
	6	Loop End					Loop end



6 IMPORTANT FUNCTIONS OF TESTINGWHIZ

6.1 Data Flow Diagram View/Outline View

TestingWhiz provides a unique representation of the Test Step(s) with **Outline** which encapsulates the complexity of the test case by displaying all the steps of a test case through a flow chart. Click on any of the steps opens its sub steps and its respective flow chart.

Test Editor 🔠 Test Data 🛃 Outline 🛛		- 6
		0 🖸 f
	Open Page	E

6.2 Object Eye

TestingWhiz features Object Eye which allows a user to view the properties of an object during test recording process. Details like the ID, Name, XPath and Tag of the object are displayed based on the selection at the time of recording the test steps.

🚱 Record 🛛				- 8
Browser Control	C	Object Eye		
http://www.testing-whiz.com/	I 🚺 🚺	ID	xpath	HTML/BO
http://www.testing-whiz.com/		Name	Tag	IMG



6.3 Object Repository

6.3.1 Object Properties

Object Repository feature tracks and stores the objects and properties of the Test Script(s) that have been captured at the time of recording test steps. It keeps track of the object as per the modules followed by a user at the time of recording the test steps. The objects are displayed URL wise.

Alias *	btnLogin					
ID	btnLogin					
Name	btnLogin					
Тад Туре	Submit					•
Inner Html						
Value	Login					
CSS Path						
XPath	HTML/BODY/DIV/D	IV[3]/DIV/DIV/DIV[2]/FORM/TABLE/TB	DDY/TR[3]/TD/INPU	т	
Class Name						
Location						
X Location	183 Width	94				

Following are the attributes of an Object that are displayed in the Object Repository, according to URLs:



Alias	Alias by default displays the Object Id of the selected object which is utilized in the test step or id
	[Note: A user can change the Alias name. It is advisable to provide user-friendly names
	to test scripts for easy maintenance.]
Id	Displays the Id of the selected object.
	[Note: A user can change the Id. It is advisable to provide user-friendly names to test
	scripts for easy maintenance.]
Name	Displays the Name of the selected object.
	[Note: A user can change the Name. It is advisable to provide user-friendly names to
	test scripts for easy maintenance.]
Тад Туре	Displays the Name of the Control that has been selected during the test case
	execution.
Inner HTML	execution. Displays the Inner Html of the page.
Inner HTML Value	execution. Displays the Inner Html of the page. Displays the Text Inserted in the selected object.
Inner HTML Value CSS Path	execution. Displays the Inner Html of the page. Displays the Text Inserted in the selected object. Displays the location of the object through CSS structure.
Inner HTML Value CSS Path XPath	execution. Displays the Inner Html of the page. Displays the Text Inserted in the selected object. Displays the location of the object through CSS structure. Displays the XPath of the object through XML structure.
Inner HTML Value CSS Path XPath Class Name	execution. Displays the Inner Html of the page. Displays the Text Inserted in the selected object. Displays the location of the object through CSS structure. Displays the XPath of the object through XML structure. Displays Class Name of the selected object.
Inner HTML Value CSS Path XPath Class Name	execution. Displays the Inner Html of the page. Displays the Text Inserted in the selected object. Displays the location of the object through CSS structure. Displays the XPath of the object through XML structure. Displays Class Name of the selected object. [Note: A user can change the class name. It is advisable to provide user-friendly names
Inner HTML Value CSS Path XPath Class Name	execution.Displays the Inner Html of the page.Displays the Text Inserted in the selected object.Displays the location of the object through CSS structure.Displays the XPath of the object through XML structure.Displays Class Name of the selected object.[Note: A user can change the class name. It is advisable to provide user-friendly names to test scripts for easy maintenance.]

[Note: User can delete an Object from Repository using right click option.]

[**Note:** The system displays only those objects that have been used by a user.]

6.3.2 Exporting Objects to the Database

Users can collaborate between themselves by sharing their object repositories to a common database and utilize the frequently used objects between themselves.

Steps to export objects from TestingWhiz to database:

- 1. Navigate to Object Repository panel.
- 2. Click on icon to open up **Export to Database** window as follows:



😂 Export To Database		×
Database Alias: *	¥	- 1
	ОК	Cancel
		_

- 3. Select the Database Alias from the dropdown.
- 4. Click on **OK** button to export all the objects to the selected database from the dropdown.
- 5. All the objects are stored in the **ObjectRepository** named table in the respective database.

6.3.3 Importing Objects from a Database

- 1. Navigate to Object Repository panel.
- 2. Click on 🕘 icon to open up **Export to Database** window as follows:

😢 Import From Da	tabase				×
Database Alias: *		¥			
Query: *					0
			ОК	Canc	el

3. Select Database alias, write a query and click **OK** button to import objects from the specified database.



6.4 Methods

TestingWhiz provides a feature of grouping functions as Methods so that a user can use/execute that method in the Test Case/Script multiple times. This reduces the code size, saves time and increases maintainability of the Test Scripts.

The Methods function is highly useful if multiple Test Scripts include the same set of functions, or functions that are frequently used.

6.4.1 Process of Creating and Calling Method

Here's a complete process of creating and calling Methods:

Let us take an example of the process of Login into TestingWhiz application.

Step 1: Select the Test Steps from the existing Test Scripts to group as a single Method.

Step 2: Right click and select **Create Method** from the context menu.

asic Ele	ment							
#	Test Command	Ac	tion	O	bject	Value	Screenshot	Description
1	Open Page					http://testing-whiz.com		Open sample page
2	Verify	Tit	le			Testingwhiz - Basic Ele		Check title
3	Set	Va	ue	11	/*[@id='input_te	Testing		Set value for text field
4	Set	Va	ue	00	input_password	******		Set value for password field
5	Set	Va	ue	D	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
6	Click And Wait			۲	gender:on			Choose a radio button
7	Click And Wait			\checkmark	hobbies2			Select check box
8	Select		11e	-	option_select	Opel		Select value from drop down
9	Check	(\pm)	Add			Input button		Verify text on page
10	Click		Delete		reset			Click on reset button
11	Write Message To		<u>.</u>			Basic element script		Print in console
		æ	Cut					
		Ð	Сору					
		ß	Paste					
		$\overline{\mathbf{a}}$	Skip					
			Toggle Breakpoint					
			Move Up					
		▼	Move Down					
			Create Method		1			

OR

Step 2: Press **Copy (D)** to copy the select Test Steps from the Test Editor



🍢 Test	Editor 📕 Test Data	A Outline				
Basic Elen	nent					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
6	Click And Wait		gender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check Ad	Ld		Input button		Verify text on page
10	Click T Au	iu .	reset			Click on reset button
11	Write Messi 📃 De	lete		Basic element script		Print in console
	🗶 Cu	ıt				
	Co	ру				
	Pa:	ste				
	Ski	ip				
	💿 То	ggle Breakpoint				
	A Mo	ove Up				
	▼ Mo	ove Down				
	Cre	eate Method				

OR

Step 2: Go to Methods Tab and click to add a new Method.

🔆 Test Command	Section 10 10 10 10 10 10 10 10 10 10 10 10 10	(x) Variable	Ð - D
Search			
💼 Methods			

Step 3: Enter the **Name of the Method** - For e.g., 'Login' and the **Parameter Value** – For e.g., 'Data'.



Test	Editor 🔳 T	est Data	📥 Outline				
Basic Elen	nent						
#	Test Comma	and	Action	Object	Value	Screenshot	Description
1	Open Page				http://testing-whiz.com		Open sample page
2	Verify		Title		Testingwhiz - Basic Ele		Check title
3	Set		Value	.//*[@id='input_te	Testing		Set value for text field
4	Set		Analy and	X	****		Set value for password field
5	Set		vietnod	and the second second	tingWhiz™ is an Easy		Set value for text area
6	Click And V						Choose a radio button
7	Click And V	Name	Login	+ -			Select check box
8	Select				el		Select value from drop down
9	Check	#	Parameter		ut button		Verify text on page
10	Click	1	Data				Click on reset button
11	Write Mess				ic element script		Print in console
			ОК	Cancel			

Step 5: Paste the Test Steps to newly created method. (In case a user has copied the Test Cases)

Eile Edit Settings Tools Scheduler Support View Help								
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😜 Test Project 📋 Data Table 🧧 Objects 📃 🗆		Test E	ditor 📗 Test Data	📥 Outline				
$\bigotimes \bigotimes + - \land \bigtriangledown \boxtimes$	Log	jin						
4 💽 Test Project	#		Test Command	Action	Object	Value	Screenshot	Description
Test Suite Basic Element		+	Add					
			Delete					
		X	Cut					
		Ð	Сору					
		D	Paste					
		10	Toggle Breakpoint	_				
			Move Up					
			Move Down					
			Create Method					
🐞 Test Command 📑 *Methods 🛛 💷 Variable 🕂 🗕 " 🗆	1							
Search	11-							
4 🔁 Methods								
Login								
		_						

Selected Test Steps will appear under the newly created Method.



Eile Edit Settings Tools Scheduler Support View Help							
📔 📕 🕺 💐 🔾 - 🕨 🚺			🚳 📰	🚖 强 🐳	\$ ©		
😢 Test Project 🗐 Data Table 🧧 Objects 👘 🗆	堶 Test	Editor 🔠 Test Dat	a 📥 Outline				
	Login						
Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
4 🧰 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page
🕸 Basic Element	2	Set	Value	input_password	******		Set value for password field
	3	Click And Wait		gender:on			Choose a radio button
	4	Select	Value	option_select	Opel		Select value from drop down
	5	Check	Text		Input button		Verify text on page
🌞 Test Command 🇾 *Methods 🛛 🕼 Variable 🕂 🗕 🗖 🗖							
Search							
A 🛅 Methods							
Login							

Step 7: Add a new Test Step and select Test command as 'Call Method'.

ogin						
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Set	Value	input_password	******		Set value for password field
3	Click And Wait		gender:on			Choose a radio button
4	Select	Value	option_select	Opel		Select value from drop down
5	Check	Text		Input button		Verify text on page
X 6	Call Method			2		

Step 8: Click **Value** in the corresponding cell and select Call Method from the drop-down of available methods – in this case select '**Login**'.

Step 9: Enter Parameter Value and click **Save**.



	Test Command	Action	Object	Value	Screenshot	Description
T,	Open Page		-	http://testing-whiz.com		Open sample page
	Set	Value	input_password	******		Set value for password field
Т	Click And Wait		gender:on			Choose a radio button
	Select	Value	option_select	Opel		Select value from drop down
	Check	Text		Input button		Verify text on page
	Pass Parameter	to CallMethod		x		
	Call Method : Parameters Data	Login : Test	T			

Step 10: Add further steps to the Script if necessary.

Step 11: Execute the Test Script.

[Note: User can add any number of Methods.]

[**Note:** Selecting a Call Method step and pressing F3 would open up the respective method.] [**Note:** A user can also call method from any other .twiz file.]

6.5 Image Comparison

TestingWhiz helps users to compare two images and record the difference at pixel level. TestingWhiz automatically converts a particular webpage into an image to carry out the comparison.

User can perform pixel by pixel Image Comparison in the following ways:

- 1. Image to Image Comparison
- 2. Image to URL Comparison
- 3. URL to URL Comparison

[Note: TestingWhiz only supports Image File formats – 'png, jpg, bmp and gif'.]



[Note: TestingWhiz only supports Image comparison of same file extension.]

6.5.1 How Image Comparison Works

Image Comparison functionality allows a user to capture images from the specified path in test commands and resize the captured images to *600x600*. Targeted images shows the difference in (%) value. Image comparison functionality will only compare the color between two source files.

Here's a step by step process of comparing images of Google's Different domain pages with google.com

Step 1: Create a New Test Case under a Test Suite

Step 2: Add a New Test Step as **Loop Start** in the Test Editor tab or Double click on **Loop Start** command under Test Commands tab.

Step 3: Enter Google as a Value

Step 4: Add a New Test Step as **Check** in the Test Editor tab or Double click on **Check** command under Test Commands tab.

Step 5: Enter Image as an Action

Step 6: Click *in Compare Source 1, Source 2 and Tolerance details in Compare Image Test Command dialog box.*

Step 7: Enter '\${Google.URL}' in Source 1 box.

Step 8: Enter '<u>http://google.com</u>' in Source 2 box.

Step 9: Set up **Tolerance level** which user want to check the similarities in Tolerance box.

[Note: Tolerance level will be in (%) value.]

Step 10: **Async Timeout** field allows user to compare the images of the websites which don't have synchronous loading time. Default value of this field will be 3000 ms (milliseconds).

😵 Check Image Test Command 🦳 🗆	×
Source 1 : * url v \${Google.URL}	v
Source 2 : * url ~ http://google.com	~
Tolerance : * \${Google.Tolerance} v] ?
Async Timeout (In milliseconds): * 3000]
Save Cancel	



Step 10: Click on Save button to save the details.

Step 11: End the Test Case by adding a Test Step as **Loop End** or Double click on **Loop End** command under Test Commands tab.

Step 12: Execute Test Script in any browser.

Step 13: On completion of execution user can view detailed logs in generated report.

Step 14: Click is to view the Image Comparison report.



Here a user can view **0.55%** variance between the two urls as shown in the report.



Step 15: Click "View Source and Target Image" to view the compared images.



Step 16: User can also view Target images in whiz folder. "C:\Users\testingwhiz\.whiz"

6.6 Fork

TestingWhiz offers a functionality of executing your recorded scripts in single machine or multiple machines and multiple browsers simultaneously. This feature is called Fork.

Forking can be used in two ways as follows:

A. Test Case Forking

B. Test Step Forking

Both these ways of forking works on a single machine and also can be achieved on multiple machines if a Hub server URL is provided in the configurations Window and Nodes are connected.

6.6.1 Test Case Forking

If a user wants Test Cases to be executed in a new instance of a browser, Forking Test Cases can be used.

Here's a complete process of Forking a Test Case

Step 1: Select a Test Case from the existing Test Scripts and right click on it.



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😢 Test Project 🗐 Dat	a Table 🧧 Objects	
	**	$+ - \land \checkmark \blacksquare$
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4 📄 New Test Sui	te	
🙀 Get Title	Set 1	
🏽 Get Ti 🕨	Execute	
Get Ti	Delete	
廢 Get Ti 🗠		
6	🖌 Cut	
	Сору	
	Paste	
	Skip	
	Fork	
🐞 Test Command 🛛 🕅	Rename	**
Search	Move Up	
Break	 Move Down 	
Call Method	Properties	E





Image: Section of the set 3 Image: Section set 4) + - A V - C
Interview Interview <td>3 + - A V - E</td>	3 + - A V - E
Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 1 Image: Control of the Set 3 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of the Set 4 Image: Control of the Set 3 Image: Control of th	a table
Image: Project Fit Test Command Action Object Value Screenshot Description Image: New Test Suite Image: Loop Start <	a table
Image: New Test Suite 1 Loop Start Image: New Test Suite Image: New	a table
Image: Construint Set 1 2 Open Page Image: Signature Set 2 Open page using data Image: Construint Set 2 3 Get Tatle Image: Signature Set 3 Get trild of page and Image: Construint Set 3 Get Tatle Set 3 Get Tatle Set 4 Image: Construint Set 3 Image: Construint Set 3	
Image: Cert Title Get Title Set 2 3 Get Title Image: S(Set 1.Page Title) Get title of page and title of page a	ta table column
Get Title Set 3 4 Loop End End of loop	l store in a data table c
🛞 Get Title Set 4	

Step 3: Click to start execution of Test Script in any browser.

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🔇 *Test Pro 🗊 Data Table 🎫 *Methods 😑 *Objects 🙄 🗖	🍢 Test	Editor 📥 Outline	Test Data				
$\mathbf{x} \mathbf{a} + \mathbf{a} \mathbf{v} \mathbf{z}$	Get Title	Set 4					
🔺 😱 Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
A in New Test Suite	1	Loop Start			1		Iterate over Set 4 data table
🙀 Get Title Set 1	2	Open Page			S{Set 4.URL Page}		Open page using data table column
🙀 Get Title Set 2	3	Get	Title		\${Set 4.Page Title}		Get title of page and store in a data table c
🙀 Get Title Set 3	4	Loop End					End of loop
😥 Get Title Set 4							
	Con:	sole 🛛					
	Progres	s : 25%					
	05-18-2	017 03:12:23.996 [IN	FO] Playing test execution				×
	05 18 2	17 03-12-24 074 [IN	EO1 Playing test execution	******	******************************	×	
	********	511 05.12.24.074 [IN		**********	*****	×	
	05-18-20	017 03:12:24.223 [IN	FO] Playing test execution				
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							-
-11.							



Test Script will be executed in 4 instances of the selected browser from the same machine.

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T is a bout you Services Products Solutions Technology Expertise Res	ources About Us	Contact Us		
Sitefinity CMS Solutions				
Carving Powerful Sitefinity Solutions for Personalized Customer Experiences	Quick Connect			
Cygnet Infotech is Certified Sitefinity partner, offering best-in-class Sitefinity CMS Development Services. We carve your thoughts to perfection with - super-fast, hassle-free development, migration and integration services on Sitefinity CMS.	Name			
Envision a successful solution – Join hands with Cygnet Infotech's Sitefinity experts, empowering technology and lives. Our experienced team of Sitefinity consultants have in-depth knowledge to create and implement powerful solutions on Sitefinity	Email			
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Customize solutions to ousiness needs	SUBMIT			
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Transferring data from secure.livechatinc.com			LEAVE A MESSAGE	• •



6.6.2 Test Step Forking

User can Fork Test Steps to execute them in different instances of a browser by using **Fork Start** and **Fork End** command.

Here's the complete process of Forking Test Steps:

Step 1: Open any existing Test Scripts in TestingWhiz.

Test Project Objects Object Obj	Eile Edit Settings Tools Scheduler Support View Help							
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Sice Project I open Page I open Page <t< th=""><th>😢 *Test Project 🗊 Data Table 🧧 *Objects 🗌 🗆</th><th>🍡 Test</th><th>Editor 🔠 Test Data</th><th>📇 Outline 🤚 Reports</th><th>-Test Project</th><th></th><th></th><th></th></t<>	😢 *Test Project 🗊 Data Table 🧧 *Objects 🗌 🗆	🍡 Test	Editor 🔠 Test Data	📇 Outline 🤚 Reports	-Test Project			
I est Project T est Command Action Object Value Screenth Depringing Screenth Open Rage I	$\mathbf{v} \mathbf{\hat{s}} + - \mathbf{v} \mathbf{v}$	Basic Eler	ment					
• Tet Suite • Open Page • Varity • Tet Suite • Open Page • Varity • Tet Suite • Open Page	🔺 😱 Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
Basic Element 2 Verify Title Test mayNiz - Basic Ele Check title 3 Set Value '''/'fidia'' input, bassword Set Value for password field Set Value for password field 5 Set Value '''/fidia'' input, bassword Set Value for password field Set Value for password field 5 Set Value ''''/'fidia'' input, bassword Set Value for test field Set Value for test field 5 Set Value '''''/'/'''''''''''''''''''''''''''''	4 🛅 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page
3 Set Value //*[dia*input,e Testing Set value fortes field 4 5 Set Value input,password Set value fortes area 5 Set Value input,password TestingWhit" is an Eay Set value fortes area 6 Cick And Wat genderon Choose ardio button Choose ardio button Set value fortes treat 7 Cick And Wat genderon Choose ardio button Verify test on page 9 Chock Test Input button Verify test on page 10 Click reset Input button Verify test on page 11 Write Message To Easic element script Print in console izerch - - - Easic element script Print in console izerch - - - - - - - izerch - - - - - - - - izerch - - - - - - - - - - izerch	Basic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title
* Set Value imput password ******* Set value for password field 5 Set Value imput password Choose a radio button 7 Citck And Wait imput password Choose a radio button Set value for password field 7 Citck And Wait imput password Set value for password field Set value for password field 7 Citck And Wait imput password Set value for password field Set value for password field 8 Setet Value option setet Option set value for password field Set value for password field 9 Check Test input butson Verify test on page Set value for password field 10 Citck Test input butson Verify test on page Set value for password field 11 Write Message To rest set value for password field Set value for password field is act. rest set value for password field Set value for password field 11 Write Message To rest set value for password field Set value for password field is act. rest rest s		3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
S Set Value Imput teares TestingWhis [™] is an Easy Set value for test area 6 Click And Wait 9 genderon Choose a ratio button Set value for drop down 7 Click And Wait 9 option, select Opel Set value from drop down 9 Check Test Iput button Verify test on page 10 Click Test Iput button Verify test on page 10 Click Test Iput button Verify test on page 11 Write Message To Basic element script Print in console 11 Write Message To Basic element script Print in console 12 Variable Iput element script Print in console 13 Write Message To Iput element script Print in console 14 Iput element script Print in console Iput element script Print in console 14 Iput element script 14 Iput element script		4	Set	Value	input_password	******		Set value for password field
6 Cick And Wait genderion hobbies2 Select check box Select check box Select check box Select Value opel Select check box Select check box Select box Select Check box 		5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
7 Citck And Wait Image: hobbies2 Image: hobbies2 Select check box 8 Select Value option_select Opel Select value from oping down 9 Check Text Input button Verify text on page Image: hobbies2 Citck on reset button Image: hobbies2 10 Citck Text Image: hobbies2 Image: hobbies2 Print in console Image: hobbies2 11 Write Message To Reside element script Print in console Image: hobbies2 iseach Image: hobbies2 Image: hobbies2 Image: hobbies2 Image: hobbies2 Image: hobbies2 iseach Image: hobbies2 Image: hobbies2 Image: hobbies2 Image: hobbies2 Image: hobbies2 Image: hobbies2 iseach Image: hobbies2 Ima		6	Click And Wait		gender:on			Choose a radio button
8 Select Value Poption_select Opel Select value from drop down 9 Check Text Input button Verify text on page 10 Cick Text Input button Verify text on page 11 Write Message To reset Basic element script Print in console 11 Write Message To Reset Input button Verify text on page 11 Write Message To Reset Basic element script Print in console 11 Write Message To Reset Reset Reset Reset 12 Secondary Reset Reset Reset Reset Reset 13 Write Message To Reset Reset Reset Reset Reset 14 Research Research Reset		7	Click And Wait		hobbies2			Select check box
9 Check Text Input buton Verify text on page 10 Click reset Click on reset button 11 Write Message To Basic element script Print in console isearch - - - - isearch - - - - - 10 User on the script - - - - 11 Write Message To - - - - 11 Write Message To - - - - - isearch - - - - - - - - 11 Write Message To -<		8	Select	Value	option_select	Opel		Select value from drop down
10 Cick reset Cick on reset button 11 Write Message To Basic element script Print in console isearch isearch <		9	Check	Text		Input button		Verify text on page
		10	Click		reset			Click on reset button
		11	Write Message To			Basic element script		Print in console
Text Command Methods Image: Variable +								
iearch	Test Command 📑 *Methods 💥 🕼 Variable 🕂 🗖 🗖							
Search Methods								
Methods	Search							
	E Malada							
	in wethods							

Step 2: Enter Fork Start and Fork End Command at the start and at the end of the Test Script.

OR

Drag & Drop Fork Start and Fork End Test Commands from the Test Command search box.



<u>File Edit Settings Tools Scheduler Support View Help</u>							
			S 🖬 🛛 🔶) 🔂 🛛 🍑	Image: Image: Image:		
😢 *Test Project 🗐 Data Table 🧧 *Objects 🗖 🗌	🍢 Test	Editor 📗 Test Data	📩 Outline 🤚 Reports	-Test Project			
😻 🏟 🕂 🗕 🛋 💌 🖉	Basic Eler	ment					
4 🐻 Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
4 🦳 Test Suite	1	Fork Start					
Basic Element	2	Open Page			http://testing-whiz.com		Open sample page
	3	Verify	Title		Testingwhiz - Basic Ele		Check title
	4	Set	Value	.//*[@id='input_te	Testing		Set value for text field
	5	Set	Value	input_password	******		Set value for password field
	6	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
	7	Click And Wait		gender:on			Choose a radio button
	8	Click And Wait		✓ hobbies2			Select check box
	9	Select	Value	option_select	Opel		Select value from drop down
	10	Check	Text		Input button		Verify text on page
	11	Click		i reset			Click on reset button
	12	Write Message To			Basic element script		Print in console
Image: Test Command Image: Methods Image: Ima		FOREING					

Step 3: Click to start execution of Test Script in any browser.



6.7 Mobile Test Execution

TestingWhiz offers a functionality of executing Test Scripts on Android and iOS devices.

Here's the complete process of performing Mobile Test Execution

Step 1: Select a default browser as '**Android**' from the Configuration menu under Settings.

Configuration	
General Execution Add-ons Cloud Execution Mobile Testing Android iOS Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository Bug Tracking Tool Test Management Tool Risk Based Testing Install/Update	Execution Browser: Mozilla Firefox Add-ons: Google Chrome Mozilla Firefox Internet Explorer Delay: Headless Execution Android Yalue: BrowserStack Irend Anal; Saucelab I Jurn Off Object Identification For Manually Added Steps Pause Test Execution on failure of step Eallback on another browser if chosen browser is not available (at all or higher version found) Export Project settings in Bug tracking tool I Jurn off console logging
	Restore Defaults Apply OK Cancel

OR

Select **'Android'** or **'iOS'** from the execution drop-down, while executing the Test Script.



Eile Edit Settings Tools Scheduler Support View	<u>и Н</u>	elp							
🗾 📕 🛛 🕺 🖉 🖓		•• 🛯 🖂 🕻		🌆 💷 🔶	🖸 🔂 🔰				
😵 *Test Project 🔳 Data Table 📒 *Objects	0	Google Chrome	or 🔲 Test Data	📩 Outline 🕒 Reports	-Test Project			X 8 6 + - a 💌 "	
♥ ♠ + -	۲	Mozilla Firefox							
A Test Project	ø	Internet Explorer	st Command	Action	Object	Value	Screenshot	Description	- 88
Basic Element	е	Edge							- 88
	æ	Headless Execution							
		Android	1						- 88
	é	iOS							
	0	BrowserStack >							- 88
	S	Saucelab 🕨							
									- 10
Test Command Tax *Methods 💥 🕼 Variable	Ŧ								
Search									- 88
Mathods									100
includes									- 88
									100
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									- 68
									- 18
	_							i	

6.7.1 Android Environment Setup for Mobile Test Execution

I. Setup on Android Device

Step 1: Go to Settings of the Android Device

Step 2: Enable Developer Options by tapping Build Number for 7 times under About Phone menuStep 3: Enable USB Debugging and Stay Awake option under the Developer Options menu

II. Setup on Desktop PC

Step 1: Install Android SDK

Step 2: Install Appium Server

6.7.1.1 Process to Execute Test Cases on Android Simulator

Step 1: Create and start a new device by using AVD Manager.

Step 2: Start the Appium Server.

Step 3: Copy the Appium Server Address and Port Number

Step 4: Paste the copied Server Address and Port Number into Server URL field – TestingWhiz Settings>Configurations>Mobile Web Testing>Android



0)//		Configuration	X
General	Android		
Execution			
> Add-ons	<u>U</u> RL: http://127.0.0.	1:4723/wd/hub	
Cloud Execution	Device Name:	Nexus_6_API_24	
▲ Mobile Lesting	Command Timeout	500000	
ios			
Report	lest Web Applicat	ion	
Recording	Browser Name: brow	wser \vee	
Data Validation Rules			
Screen			
•		Appium	- 🗆 🗙
**10			Q 🕨
General Settings			
Server			
Server Address 192	.192.8.77	Port 4723	
Check For Update	es		
✓ Pre-Launch Appli	cation		
Override Existing	Session		
Use Remote Serve	er		
Selenium Grid Co	nfiguration File		
	-		

Step 5: Copy the Android Simulator Name.

Step 6: Paste the copied Simulator Name into Device Name field - TestingWhiz Settings>Configurations>Mobile Web Testing>Android



General		Android										
Execution												
Add-ons		URL: http:/	/127.0.0.1:472	3/wd/hub								
Cloud Execut	tion	Device Name	: Ne	xus 6 API	24							
Mobile Testir	ng	- Commend T			-							
Android				,000								
Report		lest Web	Application									
Recording		<u>B</u> rowser Nam	ne: browser	\sim								
Data Validatio	on Rules											
Screen 🔗	•		Androi	id Virtua	Device	Manage	r	-		×		
Mail Database FTP TestingW Report R	2	Your Virtual	Device	es								
Mail Database FTP TestingW Report R Bug Trac Test Mar	R	Your Virtual Android Studio	Device	95				• •				
Mail Database FTP TestingW Report Ro Bug Trac Test Mar Risk Base	Туре	Your Virtual Android Studio Name	Device Resoluti	es Api	Target	CPU/ABI	Size on	Actions	;			
Mail Database FTP TestingW Report Ro Bug Trac Test Man Risk Base Install/Ug	Type	Your Virtual Android Studio Name Nexus_5_API_22	Device Resoluti	API 22	Target And	CPU/ABI x86_64	Size on 1 GB	Actions	/	•		
Mail Database FTP TestingW Report R Bug Trac Test Mar Risk Base Install/U	Type	Your Virtual Android Studio Name Nexus_5_API_22 Nexus_5_New_29-3	Device Resoluti 1080	API 22 22	Target And And	CPU/ABI x86_64 x86_64	Size on 1 GB 1 GB	Actions		•	Resto	re Defaults
Mail Database FTP TestingW Report R Bug Trac Test Mar Risk Base Install/U;	Type Type	Your Virtual Android Studio Name Nexus_5_API_22 Nexus_5_New_29-3 Nexus_6_API_23_M	Resoluti 1080 1440	API 22 22 23	Target And And	CPU/ABI x86_64 x86_64 x86	Size on 1 GB 1 GB 4 GB	Actions	· · ·	• •	Resto	re <u>D</u> efaults
Mail Database FTP TestingW Report Ri Bug Trac Test Man Risk Base Install/Up	Type C C C C	Your Virtual Android Studio Nexus_5_API_22 Nexus_5_New_29-3 Nexus_6_API_23_M Nexus_6_API_24	Resoluti 1080 1080 1440	 API 22 22 23 24 	Target And And And And	CPU/ABI x86_64 x86_64 x86 x86	Size on 1 GB 1 GB 4 GB 1 GB	Actions	· / / /	• • •	Resto	re <u>D</u> efaults

Step 7: Select the Browser from the Browser Name drop-down.

Step 8: Apply and Test the Connection.

Step 9: Close the Configuration Window.

Step 10: Execute the Test Case on Android Simulator.

6.7.1.2 Process to Execute Test Cases on a Real Android Device

Step 1: Connect a real Android device with the Desktop PC using a cable.

Step 2: Start the Appium Server.

Step 3: Copy the Appium Server Address and Port Number.

Step 4: Paste the copied Server Address and Port Number into Server URL field - TestingWhiz Settings>Configurations>Mobile Web Testing>Android.



0)//		Configuration	X
General	Android		
Execution			
Add-ons	URL: http://127.0.0.	1:4723/wd/hub	
Cloud Execution	Device Name:	Nexus 6 API 24	
Mobile Testing	-		
Android	Command Timeout:	500000	
iOS	<u>T</u> est Web Applicat	ion	
Report	Browser Name: brow	wser 🗸	
Data Validation Rules			
Screen			
		Annium	_ 🗆 🗙
·		Applan	
• * 1 0			Q 🕨
General Settings			
Server			
Server Address 192.	192.8.77	Port 4723 🔹	
Check For Update	s		
Pre-Launch Appli	ation		
	Sersion		
	36221011		
Use Remote Serve	er		
Selenium Grid Co	nfiguration File		

Step 5: Press Shift + Right Click to open command prompt under Platform -tools folder of Android SDK.

Step 6: Run 'adb devices' command and copy the Device ID.

Step 7: Paste the Device ID into Device Name field - **TestingWhiz Settings > Configurations > Mobile Web Testing > Android**.



o)h		coniguration			
General	Android				
Execution					
Add-ons	URL: http://127.0.0.	<u>URL:</u> http://127.0.0.1:4723/wd/hub			
Cloud Execution	Device Name:	55e8efb6			
Mobile Testing	<u>D</u> erree Hume.				
Android	<u>C</u> ommand Timeout:	500000			
iOS	<u> </u>	ion			
Report	Browser Name: brow	wser 🗸			
Recording	_				
Data Validation Rules					
Screen	Administ	trator: C:\Windows\System32\cmd.exe -			
0.0.511					
Database D:\sdk\pl FTP List of d 55e8efb6	atform-tools≻adb dev evices attached device	ices			
Mail Database FTP TestingWhi Report Report Bug Trackir ▷ Test Manag Risk Based ▷ Install/Upda	atform-tools>adb dev evices attached device atform-tools>	ices			
Mail Database FTP TestingWhi Report Report Bug Trackir ▷ Test Manag Risk Based ▷ Install/Updi	atform-tools>adb dev evices attached device atform-tools>	ices			

Step 8: Select the Browser from the Browser Name drop-down.

Step 9: Apply and Test the Connection.

Step 10: Close the Configuration Window.

Step 11: Execute the Test Case on a real Android Device.

6.7.2 iPhone Environment Setup for Mobile Test Execution

I. Setup on iOS Device

Step 1: Go to Settings of the iOS Device

Step 2: Select Safari

Step 3: Select Web Inspector under Advanced menu

II. Setup on MAC System

Step 1: Install Apple XCode

Step 2: Install Appium (1.3.4) Server



6.7.2.1 Process to Execute Test Cases on iOS Simulator

Step 1: Create and start a new iOS Simulator Device by using XCode.

Step 2: Start the Appium Server.

Step 3: Copy the Appium Server Address and Port Number.

Step 4: Paste the copied Server Address and Port Number into Server URL field – TestingWhiz Settings>Configurations>Mobile Web Testing>iOS.

B & Q		unch			
	General Settings	General Settings			
	Server				
	Server Address: 192.192.6.31 Port: 4723				
	Check For Updates	aunch			
	Selenium Grid Configuration File /Users/me/nodeconfig.json				
	Callback Address 127.0.01 Callback Port 4723				
8	Configuration – 🗆 🗙				
General	iOS				
Execution					
Add-ons	<u>U</u> RL: http://192.192.6.31:4723/wd/hub				
Cloud Execution	Device Name: iPhone 5				
Android	Command Timeout: 50000	to Bottom			
iOS	Platform Version: 9.2	ing			
Report					
Recording					
Screen	Drowser Warne: Salah V				
Mail					
Database					
Database					
FTP					

Step 5: Copy the iOS Simulator Name.

Step 6: Paste the copied Simulator Name into Device Name field – TestingWhiz Settings>Configurations>Mobile Web Testing>iOS



O O O iOS Simulator - iPhone 6 -	iPhone 6 / iOS 8.1 (12B411)	11 State State State	1000
Carrier 🗢 3:52	Configuration		
Monday 11Image: CalendarCalendarPhotosImage: CalendarImage: Calendar	General Execution Mobile Web Testing Android iOS Report Recording Screen Mail Database FTP TestingWhiz Grid Bug Tracking Tool Test Management Tool Install/Update	IOS URD: http://192.192.7.25:4723/wd/hub Device Name: "Phone 6 Plateform Version: 8.1 Browser Name: safari ▼ Test Connection Apply	Restore Defaults
		ОК	Cancel

Step 7: Select the Browser from the Browser Name drop-down.

Step 8: Apply and Test the Connection.

Step 9: Close the Configuration Window.

Step 10: Execute the Test Case on iOS Simulator.

6.7.2.2 Process to Execute Test Cases on Real IOS Device

Step 1: Go to Application and Select **Appium**.

Step 2: Right Click on it and Click **Show Package Contents**.

Step 3: Select resources >> node-modules >> appium >> build.

Step 4: Copy SafariLauncher.zip "Link" to the above mentioned location.

Step 5: Start the Appium server with Device UDID Capability.

Step 6: Install **ios_webkit_debug_proxy from "Link"** and follow the steps mentioned in it.

Step 7: Open Terminal and execute **"ios_webkit_debug_proxy -c "UDID of Device: 27753" -d"** command.



Step 8: Connect a real iOS device with MAC PC.

Step 9: Start the Appium Server.

Step 10: Copy the Appium Server Address and Port Number.

Step 11: Paste the copied Server Address and Port Number into Server URL field - TestingWhiz

Settings > Configurations > Mobile Web Testing > iOS.

P & Q	🗭 🍝 🋠 😤 Lau	inch		
	General Settings			
	Server Address: 102 102 6 31 Port: 4723			
	Chack for Lindates			
	V Prelaunch Application Use Remote Server Strict Capabilities			
	✓ Override Existing Sessions ✓ Kill Processes Using Server Port Before L	aunch		
	New Command Timeout 7,200 s			
	Selenium Grid Configuration File /Users/me/nodeconfig.json			
	Callback Address 127.0.0.1 Callback Port 4723			
	Tomo Folder Dath June			
© 1				
Execution	i0S			
Add-ons	URL: http://192.192.6.31:4723/wd/hub			
Cloud Execution	Device Name: iPhone 5	1		
▲ Mobile Lesting Android	Command Timeout: 50000			
iOS				
Report	Platrom version: 9.2			
Recording				
Screen	Browser Name: satari			
Mail				
Database				
ETD				
116				

Step 12: Specify the the Device Name from **'iOSDeviceName'** device - TestingWhiz Settings > Configurations > Mobile Web Testing > iOS.

Step 13: Select the Browser from the browser names drop-down.

Step 14: Apply and Test the Connection.

Step 15: Close the Configuration Window.

Step 16: Execute the Test Case on a real iOS Device.

[**Note:** User needs to have following iOS environment as a pre-requisite to perform Mobile execution on real iOS devices.

1. Mac OS: 10.9.5



- 2. XCode: 6.1.1
- 3. iOS 7.1 or 8.1
- 4. Appium 1.3.4

6.8 Data Cleansing via Data Validation

Data cleansing is the process of detecting and correcting (or removing) corrupt or inaccurate records from a set of data records or database originally caused by user entry errors, by corruption in transmission or storage or different data dictionary definitions of similar entities in different stores. Data cleansing ensures that all the data sets are consistent and can be used in a meaningful manner.

Here's the complete process of how to perform Data Cleansing in TestingWhiz:

6.8.1 How to Perform Data Cleansing

For performing Data Cleansing, a user needs to first set up Data Validation rules.

To set up data validation rules, follow the steps mentioned below:

Step 1: Click Settings > Configuration > Data Validation Rules.

Step 2: Select the rule to validate and clean the data.

[Note: By default, TestingWhiz provides 9 Data Validation rules.]

Refer Section – <u>Configuration</u> > **Data Validation Rules** to create more rules other than the default rules.

Step 3: Create a New Test Case under a Test Suite.

Step 4: Add a Test Command 'Clean' > 'Data Set'

Step 5: Click Value tab.

[Note: A new window will pop-up.]

Step 6: Browse and **select the file of Database** which contains the junk data to perform the cleaning

Step 7: Specify the Delimiter to separate different columns of data set.

Step 8: Check the option **'Consider first row as the header row'** to set first row as header if column headers are not specified explicitly.

Step 9: Click 'Get Data' to fetch all the column values of data set which populates the following

• Column List: This is the list of all the columns from your data set file.


- Alias: This dropdown populates all the rules from the Data Validation Rules setting, and each of these rules can be applied against the column they have been selected for.
- **Substitution if rule is broken:** User needs to specify a replacement string which would be replaced if any of the rule is broken against each column.

Step 10: Select the **'Target File'** location where the file after Data Cleaning needs to be saved.

Step 11: Specify **'Timeout'** according to the complexity and time taken to consume data set to replace all the fields. Number of rows is directly proportional to the time. Time is to be specified in milliseconds.

Tes	t Editor 📕 Test Dat	a 📇 Outline				- E
			(😢 Clean Dataset Test Command	XOO	
New Tes	t Case			File: *	C:\Downloads.csv	^
#	Test Command	Action	Obje	Delimiter : *		
X 1	Clean	Dataset		Delimiter:	,	
				Consider first row as the header row	Get Data	
				Column List :	Alias :	Substitution if I
				id	Do not validate	
				name	Do not validate 🔻	
				emailid	Do not validate 🔻	
				phoneno	Do not validate 🔻	
				pageurl	Do not validate	
				downloadlink	Do not validate	
			_	downloadeddate	Do not validate	
				ipadd	Do not validate 🔻	
				browsername	Do not validate	
				country	Do not validate 🔻	
				Target File : * C:\Database.csv		
				Timeout (In milliseconds): 6000		
•				Save	Cancel	

After execution TestingWhiz will create a file which has cleaned data ready for further use. All the data would be validated according to the rule applied.

6.9 Risk Based Testing

Risk Based Testing is a type of software testing in which functions and features are tested based on priority. It uses risk analysis to recognize proactive chances to take out or avoid defects through non-testing activities and to help users select which test activities to perform.



This kind of testing includes both mitigation (testing to give chances to decrease the likelihood of faults, especially high-impact faults) and contingency (testing to know a workaround to create the defects that do get past us less painful).

TestingWhiz enables a user to perform Risk Based Testing by defining the risks at the Test Case level. This gives a user the granular advantage to test even the critical & minute parts of your application.

Here's the complete process of performing Risk Based Testing

6.9.1 How to perform Risk Based Testing (RBT)

Step 1: Create a new Test Case under a Test Suite

Step 2: Right Click on the Test Case and open **'Properties'** to define the Priority from the dropdown for performing RBT.

Eile Edit Settings Tools Scheduler Support View Help			-				
<u> </u>		🔄 🌌 💷 🚖 🖽 🐳	♀				
😢 *Test Project 🗾 Data Table 📑 *Objects 🗆 🗆	Test Editor 🔠 Test	st Data 📥 Outline 🕒 Reports -Test Project					
😻 🎕 🕂 🗖 🛋 💌 🗾	Racic Flemant						
4 💽 Test Project	Properties Test Suite - Basic Element						
Image: A contract of the second se							
🕸 Basic Element							
	Name *	Basic Element					
	Priority	High					
		High Medium					
	Description	Low					
		v					
	Requirement						
Test Command 🦰 *Methods 🛛 🕼 Variable 🕂 🖳 🗖	Reference						
Search	Created on	Wednesday 24 Apr 2013 14:54 IST					
Nathoda .	Last Modified On	Thursday 18 May 2017 15:36 IST					
in methods							
	Last Run Status	PASS					
	Last Run on	Thursday 18 May 2017 15:38 IST					
	No Of Steps	13					
			OK Cancel	Next Previous			

(**Note:** *By default, priority will be set as Medium.*)

Step 3: Enable Risk Based Testing by going to **Settings** >> **Configuration** >> **Risk Based Testing** and check the option **'RBT enabled execution'**.

Step 4: Choose the **Priority** of the respective Test Case as High, Medium or Low by checking on the respective options and click **Apply** to enable the execution.



Step 5: Execute the testing of the Test Cases selected under Risk Based scenario based on their priorities on the browser of choice.

6.10 Web Services Testing

A web service is a collection of open protocols and standards used for exchanging data between applications or systems. Software applications written in various programming languages and running on various platforms can use web services to exchange data over computer networks like the Internet in a manner similar to inter-process communication on a single computer.

TestingWhiz allows users to test REST and SOAP WebServices.

Here's the complete process of performing Web Services Testing with TestingWhiz

6.10.1 REST Web Services Testing



Step 1: Create a New Test Case under a Test Suite.

Step 2: Select Test Command '**Execute > Rest Web Service**' from the available Test Commands.

Step 3: Click Value tab.

[Note: A new window will pop-up.]

Step 4: Enter the URL of the Web Service.

Step 5: Select the type of **Method** supported by the REST URL from the drop-down.

Step 6: Specify the **Headers (if any)** in **Request Header** fields. User can also specify multiple Headers separated in multiline.

Step 7: Specify '**Request Body'** parameters. User can also specify multiple Request Body parameters separated in multiline.

Step 8: Enter the variable name in '**Target Response Code**' field to store the Response code after execution.

Step 9: Enter the variable name in '**Target Response Header**' field to store the Header Response after execution.

Step 10: Enter the variable name in '**Target Response Body**' field to store the Response Body after execution.

Step 11: User can specify service '**Timeout**' period in milliseconds to control script behavior better. Default Timeout would be 6000 milliseconds

Step 12: Click Save.



😢 Execute Rest Web Service Test Comman	d		×
URL :	*	http://api.openweathermap.org/data/2.5/forecast/daily	•
Method :	* (Get	•
Request Header : (Use Newline to set Multiple Headers.)			^
			Ŧ
Request Body : (Use Newline to set Multiple Params.)	i	id=524901 appid=4e12008e87802239937ab51cc0c5c71f	*
			Ŧ
Target Response Code :	*	weathermap_code	-
Target Response Header :	*	weathermap_header	-
Target Response Body :	*	weathermap_body	-
Timeout (In milliseconds):	* (5000	•
	Save	Cancel	

Further, the user needs to parse message received as Target Response Body in REST Web Service.

Step 13: Select Test Command 'Parse > JSON Message'.

Step 14: Click Value tab.

[**Note:** *A new window will pop-up.*]

Step 15: Enter the Source Variable in which JSON Expression needs to be evaluated.

[**Note:** User needs to specify the same variable value which was specified in the Response Body field of Execute > REST Web Service test command.]



Step 16: Enter the JSON Expression to extract data from the JSON Response variable specified above. User can hover over the Help icon to get suggestions.

Step 17: Specify the **Target Variable** name to store the result of the JSON Expression after execution.

Step 18: Click Save.

Parse JSON Message T	est Command	x				
Source Variable : *	\${weathermap_body}	Ŧ				
Json Expression : *	name	-				
Target Variable : *	city_name	Ŧ				
Save Cancel (?)						

6.10.2 SOAP Web Services Testing

Step 1: Create a New Test Case under a Test Suite.

Step 2: Select Test Command 'Execute > SOAP Web Service' from the available Test Commands.

Step 3: Click Value tab.

[Note: A new window will pop-up.]

Step 4: Enter the WSDL of the SOAP Web Service.

Step 5: Validate the WSDL to get all the functions supported by the specified WSDL.

Step 6: Select the type of Method from the drop-down populated based on the specified WSDL

Step 7: Specify the Request based on the Method selected. User can edit the parameters and XML Request text inside the Request field.

Step 8: Enter the variable name in '**Target Response Code**' field to store the Response code after execution.

Step 9: Enter the variable name in '**Target Response Header**' field to store the Header Response after execution.

Step 10: Enter the variable name in '**Target Response Body**' field to store the Response Body after execution.



Step 11: User can specify service **'Timeout'** period in milliseconds to control script behavior better. Default Timeout would be 6000 milliseconds

Step	12:	Click	Save.
------	-----	-------	-------

😢 Execute SOAP Web Service Test Command									
WSDL WSDL : * http://www.oorsprong.org/websamples.countryinfo/CountryInfoSe	rvice.wso?WSDL Validate WSDL								
SOAP Request Method : * SOAP 1.1_CapitalCity									
Request : * <soapenv:envelope http:="" td="" websamples.countryinfo<="" www.oorsprong.org="" xmlns:soapenv="http://schemas.xmlsoap.org/xmlns:web="> <soapenv:header></soapenv:header> <soapenv:header></soapenv:header> <soapenv:body> <web:capitalcity> IN </web:capitalcity> <t< td=""><td colspan="7">Request : * <pre></pre> <pre></pre> <pre></pre> <pre>Request : * </pre> <pre></pre> <pre> </pre> <pre></pre> <pre></pre></td></t<></soapenv:body></soapenv:envelope>	Request : * <pre></pre> <pre></pre> <pre></pre> <pre>Request : * </pre> <pre></pre> <pre> </pre> <pre></pre>								
Target Response Code : * response_code	•								
Target Response Header : * response_header	•								
Target Response Body : * response_body									
Timeout (In milliseconds): * 6000	▼								
Save Cancel									

Further, user needs to parse message received as Target Response Body in SOAP Web Service.

Step 13: Select Test Command 'Parse > XML Message'.

Step 14: Click Value tab.

[**Note:** *A new window will pop-up.*]

Step 15: Enter the Source Variable in which XPath needs to be evaluated

[**Note:** User needs to specify the same variable value which was specified in the Response Body field of Execute > SOAP Web Service test command.]

Step 16: Enter the XPath to extract data from the XML Response variable specified above. User can hover over the Help icon to get suggestions.

Step 17: Specify the Target Variable name to store the result of the XPath after execution.



Step 18: Click Save.

Parse XML Message Test Command						
Choose	🔘 Variable					
	File					
Source Variable : *	{weather_body}					
Source File : *	C:\Users\kdchhatbar\Desktop\whiz\wh					
XPath : *	//State 💌					
Target Variable : *	parsed_weather2					
Save Cancel (?)						

6.11 Execution via TestingWhiz CI Plugin

TestingWhiz allows users to execute Test Scripts on server via TestingWhiz CI plugins such as Jenkins.

Here's the process of integrating Jenkins Server with TestingWhiz:

Step 1: Download the TestingWhiz Plugin file from TestingWhiz download page.

Step 2: Place the downloaded plugin file into the .jenkins home directory.

Step 3: Start the Jenkins server and access in the browser.

Step 4: Build a Free Style project.

Step 5: Click on Add Build Step and select TestingWhiz Script.

Step 6: Enter the Server address where the TestingWhiz server is running (http://ipaddress:5050).



Jenkins > test > configuration Image: Discaru on bunus Image: Configure Image: Discaru on bunus Image: Build History (trend) = Image: Discaru on bunus Image: Discaru on bunus Image: Discaru on bunus Image: Discaru on bunus		0
Configure This build is parameterized Disable Build (No new builds will be executed until the project is re-enabled.)		0
Build History (trend) Disable Build (No new builds will be executed until the project is re-enabled.)	(
		0
z May 7, 2015 7/05/16 PM Execute concurrent builds if necessary	(0
N ASS for all [N RSS for failures Advanced Project Options		
	Advanced	
Source Code Management		
© cvs		
CVS Projectset		
None		
© Subversion		
Build Triggers		
Build after other projects are built		•
Build periodically	(0
Poll SCM	•	0
Build		
Add build step -		
Execute Windows batch command		
Execute shell		
Invoke Ant		
TestingWhiz Script		
Save Apply		
Field us localize this page Page generated: May 11, 2015 12:46:01 PM REST /	PI Jenkins ver. 1.5	561
		_

Step 7: Specify the absolute path of a test case file or users can also specify the folder path where all the test scripts are stored to execute.

Step 8: Specify the browser for your build by selecting one from the Browser drop-down.

Step 9: Enter a specific Test suite or Test case to exclusively execute inside the Test Object column or leave it blank to execute the entire script file (optional).

Step 10: Specify the interval time between two steps that is to be performed while execution (optional).

	Subversion								
	Build Triggers								
	🗐 Build after other projects are built								
	Build periodically								
	Poll SCM								
	Build								
	Technet/Alis Script								
	Script path								
	Path of the Testinoithiz automation script.								
	Browser Mozilla Firefox								
	Select the browser you wish to run the script on.								
Ban	(Object Test Suite Name or Test Case Name								
	Mention a specific Test suite or Test case that you would like to exclusively execute. Leave blank to execute the whole file.								
	Interval 1000								
	Interval between steps in milliseconds(to avoid errors if your site is slow).								
	Delete								
	Add build step 👻								
	Post-build Actions								
	Add post-build action 💌								
P	Save Apply								
to us localize this page	Page generated: May 11, 2015 2:42:20 PM REST API Jenkins ver. 1.5								



Step 11: Click **Start Server** from Tools drop-down of TestingWhiz.

```
<u>Tools</u> <u>Scheduler</u> Suppo
Start Server
```

Step 12: Test Script is ready to be executed via Jenkins server.

[**Note:** To avail Jenkins integration functionality on your TestingWhiz, email at <u>sales@testing-</u><u>whiz.com</u>.]

6.12 Accessing DataTable Values Without Loop

TestingWhiz allows user to access Datatable Values without loop.

Syntax to access Datatable Value without loop in value column of TestingWhiz commands is as follows:

\${tablename.columnname[index#]}

Here is the example which showcases how to access the command.

e.g. If a user wants to access 2nd row of employee 'Name' column of 'Employee' table then syntax will be:

\${Employee.Name[2]}

6.13 Importing Data from Other Test Projects

TestingWhiz facilitates you to import Test Cases\Suites\Data\Methods from other Test Project.

Here's the process to import Test Data from another Test Project:

Step 1: Select File

Step 2: Click on Import Test Project. A pop up to select Test Project will appear.



🔰 📕 🕺 🕺 🔾 - >-										
						🀳 🕸	٢			
*Test Project 🗐 Data Table 🧧 *Objects 🖓		🛓 Test Editor 🔠 Test Da	ta 🚠 Outline	🕒 Reports ·	Test Project				xe	
		New Test Case								
Test Project		# Test Command	Action		Object	Value		Screenshot	Description	
Interpretent Suite		😢 Import Test Project					×			
New Test Case A Set Set		December File								
		browse File								
		Select a TestingWhiz Pro	ject file.							
		Select File								
Test Command 🕅 📑 "Methods 🕅 Variable 🔀 😒 "	all									
rch										
Delete	~									
Dynamic Input										
🏟 Else										
Elself	=		C Back	Nexts	Finish	Cancel				
Elself-Not			C DUCK			cuncer				
🛱 End If		6								
Enter Authentication										
Execute										
19 Javascript										
**** Rest Web Service										
SOAP Web Service										
See Exit	-									

Step 3: Click to select **.twiz** file of the Test Project.





Step 4: Click	Next >	to select the Test Object.
---------------	--------	----------------------------



	V Import Test Project
	Import Data Table
	Data Tables in green are new while the ones in red are conflicted.
	Cancel
	Cancer
e p 6: Click on	Next > to select the Method.
	C Import Test Project
	Import Method
	Methods in green are new while the ones in red are conflicted.
	Methods
	< Back Next > Finish Cancel
_	
p 7: Click	Finish to complete the process
T	



6.14 Generating Test Data Table

TestingWhiz allows the user to generate sample Test Data according to the Data type.

Here is the process to generate the Sample Data:

Step 1: Click on . This will open up a Dialog box.

lame	Ι		•			
of D	ata Combinations 0					
On	nit Carriage Return in D	ata? 🔲 Omit New Line	in Data?			
+	Field Name	Default Value	Test Data Type			
	There is a market of the second	Deladit value	rest bata type			
	OK	Cancel				
	UK	OK				

Step 2: Enter the Name for the Data Table and Number of Combination as per requirement.



Data	Table			×
Name	Use	ers	± =	
# of Da	ata Combinations 50			
🗌 0m	it Carriage Return in Da	ta? 🔲 Omit New Line i	n Data?	
#	Field Name	Default Value	Test Data Type	
	ОК	Cancel		

Step 4: Click on 🛨 to add the Field Name and Select the Test Data Type as shown below.

Vame	1	Users	\pm \equiv
≠ of D	ata Combinations	50	
On	nit Carriage Return i	n Data? 🔲 Omit New I	ine in Data?
#	Field Name	Default Value	Test Data Type
1	Name		Alphabetical
	OI	Cancel	

Step 5: Add Other Field Names as per requirements.



lame		Users		+ -
≠ of Da	ta Combinations	50		
Om	it Carriage Return i	n Data?	🛛 🗍 Omit New Line	in Data?
#	Field Name		Default Value	Test Data Type
1	Name			Alphabetical
2	Email			Email
3	Contact			Numeric
OK			ancel	

Step 6: After filling all the details, click on OK button.

lame		Users	+ -
of D	ata Combinations	50	
On	nit Carriage Return i	n Data? 🔲 Omit New	Line in Data?
ŧ	Field Name	Default Value	Test Data Type
L	Name		Alphabetical
2	Email		Email
3	Contact		Numeric
	O	Cancel	

Step 7: This will generate sample Test Data as shown in the below figure.



🔓 Te	st Editor 🔠 Test Data	🛿 🚠 Outline 🕒 Reports -Test	Project	
sers				
#	Name	Email	Contact	A
7	fMsdunrFUk	TgzmSJOGoC@mailinator.c	5031750557	
3	GoQNNaNpJZ	eJBINVCSfA@mailinator.com	8752235341	
9	UmlfxiqWcQ	TLtALlitCN@mailinator.com	9482041882	
LO	DfExHPRkrV	mJHgwmAOyG@mailinator	6300774307	
1	kIAQzDdlSg	dNtkVJwoXz@mailinator.co	4606462609	
12	VBGAtAmncZ	nuGFzIOcOZ@mailinator.c	5104824638	
13	zcrkDpVpqX	nOgbeEqdHv@mailinator.c	3355279402	
14	wLuCRVLZhU	bITTbdRLXf@mailinator.com	5561252150	
15	yltjksKCSV	AVqpWKGmCp@mailinator	1840146411	
16	SPImwLVuuH	IIARyPWptW@mailinator.c	7094507238	
17	VYeURxLQze	FWdmkjyfVJ@mailinator.co	9030220743	
18	KJJjwFsrzu	wpxGLxeKJy@mailinator.com	1728532349	=
19	EUvCQKsgKQ	KDrCMhjyfw@mailinator.c	9770222274	
20	IDcuURicIS	iXqNTatJYT@mailinator.com	4960085186	
21	pLlaaoZQoQ	tAqPDHcxHi@mailinator.co	7702319243	
22	ZpriGKvKwK	FJzAtSDWFu@mailinator.co	3431118558	
23	IMbCDgJKdv	PVfEzNGxDw@mailinator.c	2196838494	
24	CbWMEtrypP	gzXsUNaSTO@mailinator.c	6034710596	
25	bzSMGDVWBB	MAmwHRtTiS@mailinator	1216324575	
26	WnKKCcJNIP	ganssLoDvZ@mailinator.com	0220831281	
27	DiOzBpIvIQ	rwLEaKbfNQ@mailinator.c	2795493286	
28	VpWioXQJZI	tPpTrIntIT@mailinator.com	8432559060	
29	JHIJEDmrjT	jmTmdnaZhk@mailinator.c	9293002322	
30	gWNIAqzWrn	YfXKhXhzcm@mailinator.c	1286865020	
31	IgHPEWJySj	qqJWgeJpin@mailinator.com	5277073792	
32	bXIxKlbjwD	QYfVCysxYB@mailinator.co	9846501947	
33	NMhskNxXI0	QLbhBfGaBD@mailinator.c	3228238413	
34	xeTuOaEjZx	kRjztfXdyi@mailinator.com	4188342351	
35	fSnwudgHxD	bocTjZLaqE@mailinator.com	7591676890	
26	in7kTagewo	VehnhlHcFH@mailinator.co	100/17/12512	T

6.15 Integration with Test Management Tools

TestingWhiz offers integration with various Test Management tools to collaborate test cases, test runs, test results etc. with testing teams. TestingWhiz collaborates with some of leading third party Test Management tools like Zephyr for Jira, TestRail, and Quality Center.

6.15.1 Collaborating with Quality Center

User needs to perform following steps in order to submit their test run to Quality Center.

- 1. Click on 🔯 icon from TestingWhiz Toolbar.
- 2. The following dialog box will appear:



🚱 Test Mar	agement Tool		×
Tool Type : URL :	Quality center \checkmark QC testing- (http://192.192.9.130:8080/ \checkmark		
_		Connect	Cancel

- 1) Select Quality Center from Tool Type drop down.
- 2) Select URL from URL drop down.
- 3) Click on "Connect" button.

3. On successful connection following dialog box will appear:

🚯 Test Management Tool 🛛 🗙					
Connected with - (Quality center - QC testing- (http://192.192.9.130:8080/				
Domain :	DEFAULT ~				
Project :	DEMO ~				
Last Available Project :	Test Project				
Test Plan Directory :	Subject\P1				
Test Lab Directory :	Root\Testing - 6.0				
Submit Defect					
	Submit Cancel				



- 4. Select Project from Project drop down.
- 5. Select Test Plan Directory by clicking on button.
- 6. Select Test Lab Directory by clicking on button.
- 7. Click on "Submit" button.

6.15.2 Collaborating with Test Rail

User need to perform following steps in order to submit their test run to TestRail.

- 1. Click on icon from TestingWhiz Toolbar.
- 2. The following dialog box will appear:

🚯 Test Mar	nagement Tool	Х
		TestRail
Tool Type :	TestRail ~	
URL :	TR- (https://sbmistry.testrail.net/)	
		Connect Cancel

- 1) Select TestRail from Tool Type drop down.
- 2) Select URL from URL drop down.
- 3) Click on "Connect" button.

3. On successful connection following dialog box will appear:

🕸 Test Management T	ool		×
Connected with -	TestRail - TR- (https	://sbmistry.testrail.net/)	TestRail
Project :	Testing-Whiz	~	
Last Available Project :	Click By Coordinates		
Section :	Test - 6.0	 ✓ Add Section 	
Test Run :	Test Run 2	 ✓ Add Test Run 	
		Submit Can	cel



- 4. Select Project from Project drop down.
- 5. Select sections of the selected Project or Create New Section by clicking "Add Section" button.
- 6. Select Test Run of the selected Project or Create New Test Run by clicking "Add Test Run" button.
- 7. Click on "Submit" button.

6.15.3 Collaborating with Zephyr with Jira

User need to perform following steps in order to submit their test run to Zephyr with JIRA.



2. The following dialog box will appear:

🕸 Test Mai	nagement Tool		×
			ZEPHYR
Tool Type : URL :	Zephyr Zephyr- (https://sbmistry.atlassian.net		
		Connect Cano	:el

- 1) Select Zephyr from Tool Type drop down.
- 2) Select URL from URL drop down.
- 3) Click on "Connect" button.

3. On successful connection following dialog box will appear:

🚱 Test Management T	ool						Х
Connected with -	Zephyr - Zeph	yr- (http	s://sb	mistry.at	lassia	n.net)	ZEPHYR
Project :	Testing-Whiz	\sim					
Version :	Default	\sim					
Test Cycle :	Ad hoc	\sim					
Last Runnable Project :	Checked						
				Subn	nit	Car	ncel

4. Select Project from Project drop down.



- 5. Select Version of the selected Project from Version drop down.
- 6. Select Test Cycle of the selected Project from Test Cycle drop down.
- 7. Click on "Submit" button.

7 TEST COMMANDS IN TESTINGWHIZ

TestingWhiz supports more than **290 + Test Commands**, including conditional and looping Test Commands. These Test Commands help a user build effective and reliable Automation Test Scripts with least effort.

7.1 How to Add a Test Command?

Once a Test Case in a Test Suite has been created, users can start adding Test Steps and necessary Test Commands to perform a particular function while executing that Test Case. There are 2 ways to add Test Command to a Test Case as mentioned below:

7.1.1 Drop-down List

TestingWhiz provides an easy way to add Test Command from the Drop-down list. To add Test Command via Drop-down list, follow these simple steps

7.1.1.1 Add a Test Step

Add a Test Step in the Test Editor section by clicking on 🕩 icon above Test Editor

堶 Test	Editor 📗 Test Data	📥 Outline				X D C <mark>+</mark> - A 🛡 ⁻ -
test						
#	Test Command	Action	Object	Value	Screenshot	Description

OR



Right click on the Test Editor Section and select Add

Test	Test Editor Test Data 👗 Outline								
t									
	Test Command Action	Object	Value	Screenshot	Description				
	+ Add								
	Delete								
	K Cut								
	Сору								
	Daste								
	Toggle Breakpoint								
	Move Up								
	Move Down								

7.1.1.2 Select Test Command

After adding a Test Case, click on the corresponding Test Command cell and click on the arrow to select the Test Command from the Drop-down list.

🐂 Tes	t Editor 🔠 Test Data 🛃 Out	line			
test					
#	Test Command Action	Object	Value	Screenshot	Description
X 1	Select				
	Break Call Method Capture Charle				
	Check -				

7.1.2 Drag & Drop Test Command

User can Drag & Drop a desired Test Command from the Test Commands Tab to the Test Commands column in the Test Editor section. To add Test Command using Drag & Drop, perform the following steps

Step 1: Select a Test Command from the Test Commands tab

Step 2: Drag it towards the Test Editor

Step 3: Drop in the Test Commands column



File Edit Settings Tools Scheduler Support Alew Help							
📁 📕 🕺 🕺 🔾 🕨 🔢	\triangleright		🌌 💷 🛛 🔶) 🖸 🖡 🛉	\$ (0)		
😢 *Test Project 📄 *Data Table 🧮 *Objects 🗖 🗆	🍢 Test	Editor 🔠 Test Data	A Outline				
😻 🎕 🕂 🗕 🛋 💌 💋	Basic Eler	nent					
4 🐻 Test Project	=	Test Command	Action	Object	Value	Screenshot	Description
4 📄 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page
Basic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title
	3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
	4	Set	Value	input_password	******		Set value for password field
	5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
	6	Click And Wait		gender:on			Choose a radio button
	7	Click And Wait		hobbies2			Select check box
	8	Select	Value	option_select	Opel		Select value from drop down
	9	Check	Text		Input button		Verify text on page
	10	Click		🤍 reset			Click on reset button
	11	Write Message To			Basic element script		Print in console
	100						
 Test Command (2) Image: Search Search Search Search Call Method Search Call Method Search Click Check Check Check Cick And Wait Cick And Wait Cick And Wait Cick And Wait Cick Click by Co-ordinates Continue Continue Data Table Database Testabase Testabase	/						

7.1.3 Double Click Test Command

User can also add Test Command to a Test Case by double clicking a particular Test Command from the Test Commands tab. To add Test Command, simply select Test Command and double click on it.

7.2 How to Add an Action Corresponding to a Particular Test Command?

Once the required Test Command to a Test Step has been added, a user needs to add the corresponding Action to that Test Command in order to execute that Test Step. Just like Test Command, a user can select Action in 2 ways:

7.2.1 Drop-down List

User can select an Action corresponding to a particular Test Command from the Drop-down list. To select an Action, follow the below mentioned steps:

Step 1: Add a Test Step

Step 2: Select a Test Command

Step 3: Click on the corresponding Action cell and select the Action from the Drop-down list.



asic Elen	nent					
¢	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
6	Click And Wait		ender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		reset			Click on reset button
11	Write Message To			Basic element script		Print in console
X 12	Check	Select	-			
		Select	A			
		Checked				
		Cookie				
		Current Page URL				

Refer Section – <u>Add Test Command</u> to learn how to add a test step and select test command before adding an Action.

7.2.2 Drag & Drop Action

User can also select an Action for a particular Test Command by using Drag & Drop.

To add an Action using Drag and Drop, follow these steps

Step 1: Select the Action.

Step 2: Drag it towards the Test Editor.

Step 3: Drop in the Test Commands column.



ie Enir Serrings Tools Schenniel Sabbour Alem Web					-		
🍯 📕 🕺 💐 🔾 • 🕨 🔢			🌌 🛤 🔶) 强 🍑	Q		
*Test Project 🗊 *Data Table 🥃 *Objects 🗖 🗖	🍢 Test	Editor 🔠 Test Data	📥 Outline				
	Basic Eler	ment					
🛛 👦 Test Project	#	Test Command	Action	Object	Value	Screenshot	Description
4 🕎 Test Suite	1	Open Page			http://testing-whiz.com		Open sample page
🐉 Basic Element	2	Verify	Title		Testingwhiz - Basic Ele		Check title
	3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
	4	Set	Value	input_password	******		Set value for password field
	5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
	6	Click And Wait		gender:on			Choose a radio button
	7	Click And Wait		hobbies2			Select check box
	8	Select	Value	option_select	Opel		Select value from drop down
	9	Check	Text		Input button		Verify text on page
	10	Click		reset			Click on reset button
					Basic element scrint		Print in console
	11	Write Message To			busic cicincite script		
	11 12	Write Message To Check	- 👘 Text		busic clement script		
Test Command 🛛 📑 "Methods 😰 Variable 👻 🏝 🗆 arch	11 X 12	Write Message To Check	🏷 Text				
Test Command 🛛 🌅 *Methods 💷 Variable 👻 🏝 🗆 arch	11 12	Write Message To Check	Int State				
Test Command 🛛 🗾 "Methods 🐼 Variable 👻 🛞 " 🗆 arch 4 🏘 Check	11	Write Message To Check	ैंि Text				
Test Command ﷺ Test Command ﷺ ■ Methods I Variable ♥ ♠ □ arch ▲ ✿ Check ♣ Test ♣ Title	11 12	Write Message To Check	Text				
Test Command 22 To Methods (29) Variable (20) (20) (20) (20) (20) (20) (20) (20)	11 12	Write Message To Check	dig Text				
Test Command 🛛 🌄 *Methods 😰 Variable 👻 🕭 🗆 arch arch * 🏠 Check * 🕲 Test * 🕲 Checked * 🕲 Unchecked	11	Write Message To Check	in Text				
Test Command 🛛 💽 *Methods 🐼 Variable 👻 🔊 🗆 arch 4 🔅 Test % Test % Test % Checked % Unchecked % Unchecked % Unchecked % Unchecked	11	Write Message To Check	No Text				
Test Command 🛛 🌅 "Methods 💌 Variable 📚 🖹 🗆 arch 4 🍄 Check 1 Genetal 1 Genetal	11	Write Message To Check	Text.				
Test Command ⊠ Twethods (x) Variable ♥ 🛞 □ rch	11	Write Message Io Check	Text				
Test Command 😫 🦵 "Methods 🖾 Variable 👻 🏝 🗆 arch 4 🍄 Check Checked Unchecked Unchecked Unchecked Strible Provible Strible	11	Write Message To Check	No Text				
Test Command 🛛 🧗 "Methods 💌 Variable 👻 🏝 " 🗆 sech Check Check Checked Checked Checked Visible Enabled Disabled Disabled	11	Write Message To Check	Text				
Test Command Test Command Test Concket	11	Write Message To Check	Text				
Test Command 🛛 💽 Methods 😰 Variable 👻 🔍 🗆 arch A Check Checked Che	11	Write Message To Check	No Text				

7.2.3 Double Click Action

User can also add an Action corresponding to a particular Test Command by expanding a particular Test Command and double clicking on a particular Action in the Test Commands tab.

[Note: Selecting an Action will auto-fill the Test Command column if a user has not selected the required Test Command before.]



8 LIST OF TEST COMMANDS & CORRESPONDING ACTIONS

This chapter will briefly describe about all the available Test Commands in TestingWhiz and their corresponding Actions.

8.1 Break

Break test command allows users to break the loop of test case which is used for a particular scenario.

🛓 Test	Editor 🔠 Test Data	嚞 Outline				
Fest Case	:					
#	Test Command	Action	Object	Value	Screenshot	Description
<mark>X</mark> 1	Break					

8.2 Call Method

Call Method test command allows users to call a user-defined Methods (Group of Test Steps clubbed for re-usage or repetitive execution). This command works in the similar manner as the method calling concept would work in other programming language. The methods can be parameterized according to the user requirements. Users can also call methods from a different file on local machine or a remote file path, and utilize them into their scripts.

🍢 Test B	Editor 📕 Test Data	📥 Outline				
Test Case						
#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Call Method					
	😵 Pass Paramete	er to CallMethod		×		
	From File Call Method	: Current	Dese	elect		
	Parameters					
		Save Car	ncel			



[Note: Selecting a Call Method step and pressing F3 would open up the respective method.]

8.3 Capture

8.3.1 Webscreen

This test command allows users to capture the entire web page of a given URL, and stores it as an image at a predefined storage location.

est Cas	e					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Capture	Webscreen	-			
		Select Snapshot				
		Webscreen				

8.3.2 Snapshot

This test command allows users to capture only the visible page screen of the monitor, and stores it as an image.

Fest Cas	est Case								
#	Test Command	Action	Object	Value	Screenshot	Description			
1	Capture	Snapshot 👻							
		Select							
		Snapshot							
		Webscreen							

8.4 Check

Check test command allows users to check a set of actions performed by another user. It will stop the execution from the point where it fails. This is applicable to all the actions that are performed using Check test command.



🖕 Tes	t Editor 📕 Test Dat	ta 嚞 Outline				
New Tes	st Case					
#	Test Command	Action	Object	Value	Screenshot	Description
X1	Check	Select	-			
		Select	*			
		Checked Cookie Current Page URL Disabled	•			
	_				_	

8.4.1 Text

This action allows users to check whether a specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered. For e.g. "hello" will be considered different from HELLO. Check test command will stop the execution from the point where it fails.

8.4.2 Title

This action allows users to check whether the title of the page has a specified value or not. Check test command will stop the execution from the point where it fails.

8.4.3 Checked

This action allows users to check whether the checkbox is checked or selected. Check test command will stop the execution from the point where it fails.

8.4.4 Unchecked

This action allows users to check whether the checkbox is unchecked or de-selected. Check test command will stop the execution from the point where it fails.

8.4.5 Visible

This action allows users to check whether a specific object is visible on the page or not. Check test command will stop the execution from the point where it fails.

8.4.6 Invisible

This action allows users to check whether a specific object is invisible/hidden on the page or not. Check test command will stop the execution from the point where it fails.

8.4.7 Enabled



This action allows users to check whether the object (links, buttons etc.) is enabled on the page. Check test command will stop the execution from the point where it fails.

8.4.8 Disabled

This action allows users to check whether the object (links, buttons etc.) is disabled on the page. Check test command will stop the execution from the point where it fails.

8.4.9 Exists

This action allows users to check whether the object exists on a specified page or not. Check test command will stop the execution from the point where it fails.

8.4.10 Selected:value

This action allows users to check whether the option of a specified value is selected in the dropdown list.

8.4.11 Selected:index

This action allows users to check whether the option of a specified index is selected in the dropdown list.

8.4.12 Text:value

This action allows users to check whether the object has a specified value or not. This test command can also be utilized by taking value from the text box.

For e.g. when the values in the textbox are automatically populated from a database, a user can check/verify these values by taking id or object of the textbox.

8.4.13 Cookie

This action allows users to check whether the page contains a specified cookie or not. The result of the cookie's presence or absence will be reflected in the log that is generated for the Report of the Test Case.

8.4.14 Single Occurrence

This action allows users to check whether the value occurs only one time on the page or not. The Single Occurrence action will occur only on page contents. It will not include page title, header etc. Check test command will stop the execution from the point where it fails.

8.4.15 Text Ignore Case

This action allows users to check whether the text is present on the page irrespective of the case of the text. The check will be performed by ignoring the case of the text value specified. Text with special symbols will not be ignored.



For e.g. "hello" will be considered same as HELLO. The check will be performed on all the contents that are present in the form of the text like labels, links etc. Check test command will stop the execution from the point where it fails.

8.4.16 URL Reachable

This action allows users to check if a supplied URL in value column is a valid URL or not.

8.4.17 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison. It will run as per the behavior of Check functionality, which includes following scenarios:

A. The check command will fail if tolerance power given is less than actual difference in images.

B. The check command will pass if tolerance power given is greater than actual difference in images.

8.4.18 Current Page URL

This action allows users to check the current page URL on the screen.

8.5 Clean

Clean test command allows users to clean junk data which are fetched from raw data sources by validating through a set of rules.

lew Te	st Case							
#	Test Command	Action		Object	Value	Screenshot	Description	
X1	Clean	Select	-					
		Select						
		Dataset						

Refer Section – Data Cleansing to know more.



8.6 Click

Click test command allows users to perform click on a particular object.

ic Ele	ment					
	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
6	Click And Wait		ender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		🗔 reset			Click on reset button
11	Write Message To			Basic element script		Print in console

[Note: This test command does not contain any Action.]

8.7 Click and Wait

This command allows users to click an object and wait for a particular time before performing the next action.

osic Ele	ment					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
6	Click And Wait		ender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		🖵 reset			Click on reset button
11	Write Message To			Basic element script		Print in console

[Note: This test command does not contain any Action.]

8.8 Click by Co-ordinates

This command allows users to click an object by its X and Y co-ordinates.



Test	Editor Test Data	🐴 Outline				
Basic Ele	ment					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
б	Click By Co-ordin			2		Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click And Wait		🖵 reset			Click on reset button
11	Write Message To Re	port		Basic element script		Print in console

8.9 Compare

This test command allows users to compare numerical values and give a Boolean result.

w Te	st Case							
#	Test Command	Action		Object	Value	Screenshot	Description	
X 1	Compare	Select	-		2			
		Select						
		Between Range Data Table	E					
		Equal to						
		Greater than	*					

8.9.1 Less than

This action allows users to test whether a value is less than another value.

8.9.2 Less than or equal to

This action allows users to test whether two numeric values are less than or equal to each other.

8.9.3 Greater than

This action allows users to test whether a value is greater than another value or not.

8.9.4 Greater than or equal to

This action allows users to test whether two numeric values are equal to each other.

8.9.5 Equal to

This action allows users to identify two values and return true if the values on both sides are equal to one another.



8.9.6 Not equal to

This action allows users to check if the value of two operands are equal or not.

8.9.7 Data Table

This action allows users to compare two Data Tables and return number of different rows in Data Table1 & Data Table2.

lew Tes	t Case					
#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Compare	Data Table		Z		
		Data Table 2 : • Ta Data Table 2 : • Ta Target Variable : •	ble 1 ble 2 Cancel	•		

8.9.8 Between Range

This test command allows users to validate whether a number lies between the specified range.

[**Note:** User needs to specify the Test Value, Range Start, Range End and Target Variable in the Value tab of this command.]

8.10 Convert

8.10.1 toBinary

This action allows users to convert a decimal number to a Binary number and store it in a Target Variable name specified.

8.10.2 toHex

This action allows users to convert a decimal number to a Hexadecimal number and store it in a Target Variable name specified.

8.10.3 toOctal

This action allows users to convert a decimal number to an Octal number system and store it in a Target Variable name specified.



8.11Continue

Continue test command helps users to continue through the loop in which it is used.

Tes	t Editor 🗎 Test Dat	a 🚠 Outline				li 🕑 🗀 🕂 🗖 💌
ogin						
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Loop Start			2		Iterate over data table LoginData
3	Continue					
4	Input		txtUser	\${LoginData.username}		Input username using data table to textfield
5	Input		txtPass	\${LoginData.password}		Input password using data table to textfield
6	Click And Wait		btnLogin			Click on submit button
7	Loop End					Loop end

8.12 Data Table

🖕 Test	t Editor 📕 Test Data	📥 Outline				X D C + — 🔺 🔽 🗆
New Tes	t Case					
#	Test Command	Action	Object	Value	Screenshot	Description
X1	Data Table	Select		2		
		Select				
		Clean Data				
		Get Row				
		5126				

8.12.1 Size

This action allows users to get the number of rows available in the specified datatable.

8.12.2 Row

This action allows users to get the entire data of a row in a variable, in which column values are separated by comma.

8.12.3 Clean Data

This action allows users to clean the entire data of Data Table

8.13Database

This test command allows users to perform the database related queries like Select, Insert, Update and Delete.



Test	Editor 📕 Test Data	📥 Outline				
lew Test	Case					
#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Database	Select				
		Select Comparison Fetch Query				

[Note: User needs to configure Database Preferences in the Settings menu under Configuration section.]

8.13.1 Fetch

This action allows users to extract the data from database by performing the Select Query. The result of the Select Query will be stored either in the Target Variable or Target Data table or Target file depending on user selection.

[**Note:** After selecting the Fetch action, user needs to click on *A* icon in the Value column and mention **DB Alias**, **Select Query & Target selection** details in the dialog box as shown below.]

Database Fetch Test Comma	nd		-		×
DB Alias :	*				\sim
Select Query :	*		_	_	^
					~
		O Single Result			
		O Result Set			
		File			
Target Variable :	*				
Target Data Table :	*				\sim
Target File :	*				
		Amend data to existing file			
Timeout (In milliseconds):	*	6000			~
		Save Cancel			

DB Alias

The Alias of the database.



Select Query	The Select Query which needs to be executed in order to fetch data.
Single Result	Select Single Result to store output generated from the Select
Single Result	Query to targeted variable.
Pocult Sot	Select Result Set to store output generated from the Select Query
Result Set	to Targeted data table.
File	Select File to store output generated from the Fetch command to a
riie	.csv file.
Torrat Variable	The name of the variable which would store the output generated
l'arget variable	from the Select Query
Target Data table	The name of the Data table which would store the output generated
Target Data table	from the Select Query.
Torrat Cilo	The name of the file which would store the output generated from
l'arget rile	the Fetch command.
Amend data to existing	User can amond the data into existing file by enabling this ention
file	Oser can amend the data into existing the by enabling this option.
Timeout (In	User can specify database timeout period in milliseconds to control
milliseconds)	script behavior better. Default Timeout would be 6000 milliseconds.

8.13.2 Query

This action allows users to manipulate the data stored in the database with the help of Insert, Update and Delete queries.

[Note: After selecting the Query action, user needs to click on *A* icon in the Value column and mention **DB Alias** and **Query** details in the dialog box as mentioned below.]

B Alias :	*	•
Query (; can be used to write multiple statemer	*	*
		Ŧ
imeout (In milliseconds):	* 6000	•
F	Save Cancel	

The Alias of the database.


Query	Enter the Query which needs to be executed.
Timeout (In milliseconds)	User can specify database timeout period in milliseconds to control script behavior better. Default Timeout would be 6000 milliseconds.

8.13.3 Comparison

This action allows users to compare query to query, file to file as well as query to file. The result of the Comparison will be stored in the targeted variable.

[**Note:** After selecting the Comparison action, user needs to click on *in the Value column* and mention **Source 1&2**, **DB Alias**, **Query & Target Variable** details in the dialog box as shown below.]

Source 1 :	*	query	•
OB Alias :	*		•
Query	*		*
ource 2 :	ĵ.	query	•
DB Alias :	*		•
Query	*		*
			Ŧ
Target Variable :	*		~
Timeout (In milliseconds):	*	6000	Ŧ
	_	Save Cancel	

Source 1	Select "Query" or "File" to compare.
Source 2	Select "Query" or "File" to compare.



DB Alias	The Alias of the database.
Query	Enter the Query which needs to be executed.
Targot Variablo	The name of the variable which would store the output generated
Talget Vallable	from the Select Query.
Timeout (In	User can specify database timeout period in milliseconds to control
milliseconds)	script behavior better. Default Timeout would be 6000 milliseconds.

8.14Delete

Delete test command allows users to delete Cookie[s] of a web page.

🖕 Test	Editor 📕 Test Data	📥 Outline						
New Test Case								
#	Test Command	Action		Object	Value	Screenshot	Description	
X1	Delete	Select	-					
		Select	_					
		All Cookies Cookie						

8.14.1 All Cookies

This action allows users to delete all the cookies of all the web pages used.

8.14.2 Cookie

This action allows users to delete specific cookies of a web page.



8.15 Dynamic Input

Dynamic Input test command enables users to pass a dynamic value inside the script, through an input box and make use of it further inside the script.

ath Op	eration					
ŧ	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Dynamic Input		🗖 t1	-10		Input value1 in text box
3	Input		1 t2	3		Input value2 in text box
4	Click And Wait		🚺 calculateBtnId			Click on button
5	Get	Text	answer	answerValue		Get value from element on page
6	Write Message To			\${answerValue}		Print value in console
7	Math	Absolute Value		2		Perform math absolute
8	Math	Ceiling Value		2		Perform math ceiling
9	Math	Floor Value		2		Perform math floor
10	Math	Integer Value		2		Perform math integer

8.16Else

Else test command allows users to execute a step for an otherwise condition.

🛓 Test	Editor 📕 Test Dat	a 嚞 Outline				
Else_If	Else					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Select	Value	EmployeeType	Permanent		Select Permanent from dropdown
3	If	Selected:value	EmployeeType	Contingent		If dropdown selection is Contingent
4	Click And Wait		Initial ini			Click on hire later radio button
5	Elself	Selected:value	EmployeeType	Permanent		Else If
6	Click And Wait		Initial ini			Click on hire never radio button
7	Else					Else
8	Click And Wait		Initial ini			Click on hire now radio button
9	End If					End if

[Note: This test command does not contain any Action.]

8.17ElseIf

ElseIf test command allows users to execute another condition to be tested when all the other conditions of the loop above it are not satisfied.



Else_If	Else					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Select	Value	EmployeeType	Permanent		Select Permanent from dropdown
3	If	Selected:value	EmployeeType	Contingent		If dropdown selection is Contingent
4	Click And Wait		e hire:Later			Click on hire later radio button
5	ElseIf	Select	 EmployeeType 	Permanent		Else If
6	Click And Wait	Select	🔽 💿 hire:Never			Click on hire never radio button
7	Else	Between Range				Else
8	Click And Wait	Checked	e hire:Now			Click on hire now radio button
9	End If	Compare Compare Ignore Case	-			End if

8.17.1 Text

This action allows users to verify whether the specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered.

For e.g. "hello" will be considered different from HELLO.

8.17.2 Title

This action allows users to verify whether the title of a page has the specified value or not.

8.17.3 Checked

This action allows users to verify whether the checkbox is checked or selected.

8.17.4 Unchecked

This action allows users to verify whether the checkbox is unchecked or de-selected.

8.17.5 Visible

This action allows users to verify whether a specific object is visible on the page or not.

8.17.6 Invisible

This action allows users to verify whether a specific object is invisible/hidden on the page or not.

8.17.7 Enabled

This action allows users to verify whether the object (links, buttons etc.) is enabled on the page.

8.17.8 Disabled

This action allows users to verify whether the object (links, buttons etc.) is disabled on the page.

8.17.9 Selected:index



This action allows users to verify whether the option of a specified index is selected in the dropdown list.

8.17.10 Selected:value

This action allows users to verify whether the option of a specified value is selected in the dropdown list.

8.17.11 Text:value

This action allows users to verify whether an object has a specified value or not. This action can also be utilized by taking value from the text box.

For e.g. when values in the textbox are automatically populated from a database, user can check/verify these values by taking id or object of the textbox.

8.17.12 Exists

This action allows users to verify whether the object exists on the page or not.

8.17.13 Compare

This action allows users to perform comparison between two stings i.e. verify whether two strings are equal or not. The Compare action will take the case sensitivity of the Strings into consideration.

8.17.14 Compare Ignore Case

This action works in the similar manner as Compare action but with little enhancement. This action will ignore the case sensitivity of the Strings at the time of comparison.

8.17.15 isBlankOrNull

This action allows users to verify whether the value of a Variable is Null and not.

8.17.16 Contains

This action allows users to determine whether a string contains a given sub string.

8.17.17 URL Reachable

This action allows users to verify if a supplied URL in value column is a valid URL or not.

8.17.18 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison. It will validate as per the behavior of ElseIf-not command.

8.17.19 Less than

This action allows users to test whether a value is less than another value.



8.17.20 Less than or equal to

This action allows users to test whether two numeric values are less than or equal to each other.

8.17.21 Greater than

This action allows users to test whether a value is greater than another value or not.

8.17.22 Greater than or equal to

This action allows users to test whether two numeric values are equal to each other.

8.17.23 Equal to

This action allows users to identify two values and returns true if the values on both sides are equal to one another.

8.17.24 Not equal to

This action allows users to check if the value of two operands are equal or not.

8.17.25 Between Range

This test command allows users to validate whether a number lies between the specified range.

[**Note:** User needs to specify the Test Value, Range Start, Range End and Target Variable in the Value tab of this command.]

8.17.26 Current Page URL

This action allows users to evaluate the current page URL on the screen.

8.18 Encrypt

8.18.1 AES String

This action of Encrypt test command allows users to encrypt their information string into AES String. This test command saves the converted AES String into a variable.

8.18.2 MD5 String

This action of Encrypt test command allows users to encrypt their information string into MD 5 String. This test command saves the converted MD5 String into a variable.

8.18.3 SHA256 String

This action of Encrypt test command allows users to encrypt their information string into SHA256 String. This test command saves the converted SHA256 String into a variable.



8.19ElseIf-Not

Elseif-Not test command allows users to execute a condition if the action mentioned is not satisfied.

ew									
#	Test Command	Action		Object	Value	Screenshot	Description		
X 1	Elself-Not	Select	-						
		Select							
		Between Range							
		Checked							
		Compare Compare Ignore Case	-						

8.19.1 Text

This action allows users to verify whether a specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered. For e.g. "hello" will be considered different from HELLO.

8.19.2 Title

This action allows users to verify whether the title of the page has a specified value or not.

8.19.3 Checked

This action allows users to verify whether the checkbox is checked or selected.

8.19.4 Unchecked

This action allows users to verify whether the checkbox is unchecked or de-selected.

8.19.5 Visible

This action allows users to verify whether a specific object is visible on the page or not.

8.19.6 Invisible

This action allows users to verify whether a specific object is invisible/hidden on the page or not.

8.19.7 Enabled

This action allows users to verify whether the object (links, buttons etc.) is enabled on the page.

8.19.8 Disabled

This action allows users to verify whether the object (links, buttons etc.) is disabled on the page.



8.19.9 Selected:index

This action allows users to verify whether the option of a specified index is selected in the dropdown list.

8.19.10 Selected:value

This action allows users to verify whether the option of a specified value is selected in the dropdown list.

8.19.11 Text:value

This action allows users to verify whether an object has a specified value or not. This test command can also be utilized by taking value from the text box.

For e.g. when values in the textbox are automatically populated from a database, user can check/verify these values by taking id or object of the textbox.

8.19.12 Exists

This action allows users to verify whether the object exists on a page or not.

8.19.13 Compare

The Compare action allows users to perform the Comparison between two stings i.e. verify whether two strings are equal or not. The Compare action will take the case sensitivity of the Strings into consideration.

8.19.14 Compare Ignore Case

The Compare Ignore Case action will work in the similar manner as Compare action but with little enhancement. This action will ignore the case sensitivity of the Strings at the time of comparison.

8.19.15 IsBlankOrNull

The isBlankOrNull Test command enables users to verify whether the value of a Variable is Null and not.

8.19.16 Contains

The Contains action allows users to determine whether a string contains a given sub string.

8.19.17 URL Reachable

This action allows users to verify if a supplied URL in value column is a valid URL or not.

8.19.18 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison. This command will validate as per the behavior of ElseIf-not command.



8.19.19 Less than

This action allows users to test whether a value is less than another value.

8.19.20 Less than or equal to

This action allows users to test whether two numeric values are less than or equal to each other.

8.19.21 Greater than

This action allows users to test whether a value is greater than another value or not.

8.19.22 Greater than or equal to

This action allows users to test whether two numeric values are equal to each other.

8.19.23 Equal to

This action allows users to identify two values and returns true if the values on both sides are equal to one another.

8.19.24 Not equal to

This action allows users to check if the value of two operands are equal or not.

8.19.25 Between Range

This test command allows users to validate whether a number lies between the specified ranges.

[**Note:** User needs to specify the Test Value, Range Start, Range End and Target Variable in the Value tab of this command.]

8.19.26 Current Page URL

This action allows users to evaluate the current page URL on the screen.



8.20 End If

End If test command allows users to end the loop of If conditions.

Else_If	Else					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Select	Value	EmployeeType	Permanent		Select Permanent from dropdown
3	If	Selected:value	EmployeeType	Contingent		If dropdown selection is Contingent
4	Click And Wait		e hire:Later			Click on hire later radio button
5	ElseIf	Selected:value	EmployeeType	Permanent		Else If
6	Click And Wait		e hire:Never			Click on hire never radio button
7	Else					Else
8	Click And Wait		Initial ini			Click on hire now radio button
9	End If					End if

[Note: This test command does not contain any Action.]

8.21 Enter Authentication

Enter Authentication test command allows users to provide authentication on a given application. This can prevent unauthorized access of applications.

w						
#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Enter Authenticati			2		
		😢 Enter Authentic	ation Test Command			
		URL : *	www.testing-whiz.c	om		
		Name : *	Test			
		Password : *	testing*123			
		Delay :	10			
		San	/e Cance	ł		

8.22 Execute

Execute test command allows users to execute a particular script.



ew						
#	Test Command	Action	Object	Value	Screenshot	Description
X1	Execute	Select	-			
		Select Javascript Rest Web Service SOAP Web Service				

8.22.1 JavaScript

This action allows users to execute JavaScript through a simple JavaScript code. Also users can access the variable values using the format \${*variable*}.

8.22.2 RESTful Web Service

This command allows users to test RESTful Web Services with a single test command, and store results in a variable.

Refer Section – **<u>RESTful Web Services Testing</u>** to know more

8.22.3 SOAP Web Service

This command allows users to test SOAP Web Services with a single test command, and store results in a variable.

asic Ele	ment					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		
2	Verify	Title		Testingwhiz - Basic Ele		
3	Input		1 input_text	Testing		
4	Input		input_password	*****		
5	Input		input_textarea	TestingWhiz [™] is an Easy		
6	Click And Wait		gender:on			
7	Click And Wait		hobbies2			
8	Select	Value	option_select	Opel		
9	Check	Text		Input button		
10	Click		💙 reset			
11	Write Message To			Basic element script		
X 12	Execute	Select	-			
		Select				
		Javascript Rest Web Service				

Refer Section – **SOAP Web Services Testing** to know more.



8.23 Exit

Exit test command allows users to exit from current Test Case/Test Suite/Test Project.

Test Editor E Test Data 🚠 Outline									
new									
#	Test Command	Action		Object	Value	Screenshot	Description		
X1	Exit	Test Case	-						
		Select							
		Test Case							
		Test Project							
		Test Suite							

8.23.1 Test Case

This action allows users to exit from a Test Case and switch to the next consecutive Test Case.

8.23.2 Test Project

This action allows users to exit from a Test Project and switch to the next consecutive Test Project.

8.23.3 Test Suite

This action allows users to exit from a Test Suite and switch to the next consecutive Test Suite.

8.24 ExportTo

The Export to test command enables users to export the data stored in Data tables to .XML and .CSV file.

🛓 Test Editor 🔠 Test Data 👗 Outline 🔣 🕑 🕒 🕂 🗖									
new									
#	Test Command	Action	Object	Value	Screenshot	Description			
X 1	Export To	Select	-						
		Select							
		CSV							
		XML							

8.24.1 XML

The XML action enables users to export the data into the .XML file format.



[**Note:** After selecting the XML action, user needs to provide **Target File** in .XML format in which the exported file should be stored and also provide Source Data table details as shown below.]

Export To XML Test Cor	nmand 🔀
Target File : *	D:\Database.xml
Source Data Table : *	LoginData 🗸
Sav	Cancel

8.24.2 CSV

The CSV action enables users to export the data into the CSV file format.

[**Note:** After selecting the CSV action, user needs to provide **Target File** in .CSV format in which the exported file should be stored and also provide **Source Data table** details as shown below. User can also amend the data into file by enabling 'Amend data to existing file' option.]]

🖗 Export To CSV Test	Command	-	Х
Target File :	D:\Export_CSV.csv Amend data to existing file		
Source Data Table :	* Export_CSV Save Cancel		~

8.25 FTP

FTP command allows users to integrate and access FTP file / server for testing.

ew								
#	Test Command	Action		Object	Value	Screenshot	Description	
X1	FTP	Select	-					
		Select						
		Delete Download Is Exist Scan Logs						

8.25.1 Upload

This action allows users to upload a local file to FTP server.



8.25.2 Is Exist

This action allows users to validate the presence of the specified file on FTP server.

8.25.3 Download

This action allows users to download a file from the FTP server to local machine.

8.25.4 Delete

This action allows users to delete a file from the FTP server.

8.22.5 Scan Logs

This action allows user to scan logs on remote Linux server and find know the occurrences of anomalies.

8.26 Fail

Fail test command allows users to introduce a user defined failure of a Test Step/Test Case on some condition evaluation of a test case. Users can define their own failure statement in the value column of Fail test command.

						X 🗊 🕇 🗕 🔺
avascrip	ot Submit					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		
2	Input		撞 name	Test Name		
3	Input		address	Test Address		
4	Input		T City	Test City		
5	Input		E-mail	test@email.com		
6	Click And Wait		why:Dunno			
7	Perform	Select:value	refer	Through WDF		
8	Click And Wait		potatoes			
9	Fail				Γ	

8.27 File

This test command allows the user to perform the file actions like following.



#	Test Command	Action		Object	Value	Screenshot	Description
X 1	File	Select	-		2		
		Select					
		Copy Diff	=				
		Erase File Exists	-				

8.27.1 Copy

This action allows the user to copy the file between the directories of your local system and validate.

8.27.2 Move

This action allows the user to move the file between the directories of your local system and validate.

8.27.3 Save

This action allows the user to download any file from the web to any local system.

8.27.4 Erase

This action allows the user to delete any file from the local system.

8.27.5 Search String

This action allows the users to search a particular/given string in a particular file. This test command will return the count number of occurrences of the string in that file.

8.27.6 File Exists

This action allows users to validate the presence of the specified file in the local system. It requires absolute file path and a variable to store the Boolean result.

8.27.7 Diff

Users can validate the difference between two CSV files. Users need to specify FTP server alias, absolute file path for file1 and file2, Target CSV file path to store the differences, and a timeout according to the complexity of files to be compared.



8.28 Fork End

This command allows users to End a command.

ic Ele	ment					
		A 12	011.1		6 1 1	
#	Test Command	Action	Object	Value	Screenshot	Description
1	Fork Start					
2	Open Page			http://testing-whiz.com		Open sample page
3	Verify	Title		Testingwhiz - Basic Ele		Check title
4	Set	Value	.//*[@id='input_te	Testing		Set value for text field
5	Set	Value	input_password	******		Set value for password field
6	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
7	Click And Wait		gender:on			Choose a radio button
8	Click And Wait		✓ hobbies2			Select check box
9	Select	Value	option_select	Opel		Select value from drop down
10	Check	Text		Input button		Verify text on page
11	Click		reset			Click on reset button
12	Write Message To			Basic element script		Print in console
13	Fork End					

[Note: This test command does not contain any Action.]

8.29 Fork Start

This command allows users to Start command.

ic Element						
Test	Command	Action	Object	Value	Screenshot	Description
1 Fork	Start					
2 Open	Page			http://testing-whiz.com		Open sample page
3 Verify	/	Title		Testingwhiz - Basic Ele		Check title
4 Set		Value	.//*[@id='input_te	Testing		Set value for text field
5 Set		Value	input_password	******		Set value for password field
6 Set		Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
7 Click	And Wait		gender:on			Choose a radio button
8 Click	And Wait		hobbies2			Select check box
9 Selec	t	Value	option_select	Opel		Select value from drop down
10 Chec	k	Text		Input button		Verify text on page
11 Click			reset			Click on reset button
12 Write	Message To			Basic element script		Print in console
13 Fork	End					

[Note: This test command does not contain any Action.]



8.30 Get

Get test command allows users to fetch/get the attribute of an object, table row count, table column count, table cell data.

🖕 Test	Editor 📗 Test Data	嚞 Outline				
t						
#	Test Command	Action	Object	Value	Screenshot	Description
X1	Get	Select	-			
		Select	*			
		Alert Text Attribute CSS Value				
		Co-ordinates	T			

[Note: User has to use a variable to store the fetched value and display it on the report.]

8.30.1 Text

Text action allows users to get the text of a textbox.

8.30.2 Value

This action allows users to get the value of any object.

8.30.3 Table Row Count

This action allows users to get the total row count of a particular table.

8.30.4 Table Column Count

This action allows users to get the total column count of a particular table.

8.30.5 Attribute

This action allows users to get any attribute of an object.

8.30.6 Table Cell Data

This action allows users to get data of a particular table cell.

8.30.7 Title

Title action allows users to get the Title of a particular website or URL.

8.30.8 Current Page URL

Current Page URL action allows users to get the URL of the current website.

8.30.9 Alert Text

This action allows users to get the Text value of an Alert Pop-up.



[Note: This operation will not work with Android and iOS mobile browsers.]

8.30.10 Page Source

This action allows users to extract the source of the current URL which is opened in browser.

8.30.11 Table

This action allows users to extract the entire data of the specified table object into Datatable.

8.30.12 Elements

This action allows users to get elements of particular type from the specified web page as well as from specified object and allows to store to Data table.

8.30.13 ExecBrowserName

This action allows the users to get the browser name and version under execution. This will get stored it into a global variable.

8.30.14 Selected:value

This action allows users to get the selected value of drop down list.

8.30.15 Co-ordinates

This action allows users to capture X and Y co-ordinates for a particular web-element. To capture the co-ordinates, it requires an object reference and two variable names to store the X and Y co-ordinate values.

8.30.16 CSS Value:

This action allows users to fetch value of a particular CSS property assigned to any object present on the website. Users need to specify CSS property and a variable name to store the fetched values from the website in the value column of the command.

8.30.17 Dropdown Values:

This action allows users to fetch all the dropdown values present inside the specified dropdown object. The dropdown object should be of Select tag. Users need to specify datatable to store the fetched values.

8.31 Highlight

Highlight test command allows users to highlight a particular object in a page.



sic Ele	ment					
ŧ	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
6	Click And Wait		gender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		寻 reset			Click on reset button
X 11	Highlight					Print in console

[Note: This test command does not contain any Action.]

8.32 If

If test command allows users to check for specific conditions before executing a test step.

imple If						
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	If	Select	EmployeeType	Contingent		If dropdown selection is Contingent
3	Click And Wait	Select	🖌 💿 hire:Later			Click on hire later radio button
4	End If	Between Range Checked Compare Compare Ignore Case	•			End if

8.32.1 Text

This action allows users to verify whether the specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered. For e.g. "hello" will be considered different from HELLO.

8.32.2 Title

This action allows users to verify whether the title of the page has the specified value or not.

8.32.3 Checked

This action allows users to verify whether the checkbox is checked or selected.

8.32.4 Unchecked



This action allows users to verify whether the checkbox is unchecked or de-selected.

8.32.5 Visible

This action allows users to verify whether a specific object is visible on the page or not.

8.32.6 Invisible

This action allows users to verify whether a specific object is invisible/hidden on the page or not.

8.32.7 Enabled

This action allows users to verify whether the object (links, buttons etc.) is enabled on the page.

8.32.8 Disabled

This action allows users to verify whether the object (links, buttons etc.) is disabled on the page.

8.32.9 Selected:index

This action allows users to verify whether the option of the specified index is selected in the dropdown list.

8.32.10 Selected:value

This action allows users to verify whether the option of the specified value is selected in the dropdown list.

8.32.11 Text:value

This action allows users to verify whether an object has the specified value or not. This test command can also be utilized by taking value from the text box.

For e.g. when values in the textbox are automatically populated from a database, user can check/verify these values by taking id or object of the textbox.

8.32.12 Exists

This action allows users to verify whether the object exists on the page or not.

8.32.13 Compare

The Compare action users to perform the Comparison between two stings i.e. verify whether two strings are equal or not. The Compare action will take the Case Sensitivity of the Strings into consideration.

8.32.14 Compare Ignore Case



The Compare Ignore Case action will work in the similar manner as Compare action but with little enhancement. This action would ignore the Case Sensitivity of the Strings at the time of comparison.

8.32.15 IsBlankOrNull

The isBlankOrNull Test command allows users to verify whether the value of a Variable is Null and not.

8.32.16 Contains

The Contains action allows users to remove the leading and trailing blanks in the String.

8.32.17 URL Reachable

This action allows users to verify if a supplied URL in value column is a valid URL or not.

8.32.18 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison.

This command will validate as per the behavior of If command.

8.32.19 Less than

This action allows users to test whether a value is less than another value.

8.32.20 Less than or equal to

This action allows users to test whether two numeric values are less than or equal to each other.

8.32.21 Greater than

This action allows users to test whether a value is greater than another value or not.

8.32.22 Greater than or equal to

This action allows users to test whether two numeric values are equal to each other.

8.32.23 Equal to

This action allows users to identify two values and returns true if the values on both sides are equal to one another.

8.32.24 Not equal to

This action allows users to check if the value of two operands are equal or not.

8.32.25 Between Range

This test command allows users to validate whether a number lies between the specified range.



[**Note**: User needs to specify the Test Value, Range Start, Range End and Target Variable in the Value tab of this command.]

8.32.26 Current Page URL

This action allows users to evaluate the current page URL on the screen.

8.33 If-Not

If-Not test command allows users to check for conditions before executing a test step.

Else_If	Else					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Select	Value	EmployeeType	Permanent		Select Permanent from dropdown
Х З	If-Not	Select	 EmployeeType 	Contingent		If dropdown selection is Contingent
4	Click And Wait	Select	🗼 💿 hire:Later			Click on hire later radio button
5	Elself	Between Range	EmployeeType	Permanent		Else If
6	Click And Wait	Checked	e hire:Never			Click on hire never radio button
7	Else	Compare Ignore Case	-			Else
8	Click And Wait	compare ignore case	e hire:Now			Click on hire now radio button
9	End If					End if

8.33.1 Text

This action allows users to verify whether the specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered. For e.g "hello" will be considered different from HELLO.

8.33.2 Title

This action allows users to verify whether the title of the page has the specified value or not.

8.33.3 Checked

This action allows users to verify whether the checkbox is checked or selected.

8.33.4 Unchecked

This action allows users to verify whether the checkbox is unchecked or de-selected.

8.33.5 Visible

This action allows users to verify whether a specific object is visible on the page or not.

8.33.6 Invisible



This action allows users to verify whether a specific object is invisible/hidden on the page or not.

8.33.7 Enabled

This action allows users to verify whether the object (links, buttons etc.) is enabled on the page.

8.33.8 Disabled

This action allows users to verify whether the object (links, buttons etc.) is disabled on the page.

8.33.9 Selected:index

This action allows users to verify whether the option of the specified index is selected in the dropdown list.

8.33.10 Selected:value

This action allows users to verify whether the option of the specified value is selected in the dropdown list.

8.33.11 Text:value

This action allows users to verify whether an object has the specified value or not. This test command can also be utilized by taking value from the text box. For e.g. when values in the textbox are automatically populated from a database, user can check/verify these values by taking id or object of the textbox.

8.33.12 Exists

This action allows users to verify whether the object exists on the page or not.

8.33.13 Compare

The Compare action allows users to perform the Comparison between two stings i.e. verify whether two strings are equal or not. The Compare action will take the Case Sensitivity of the Strings into consideration.

8.33.14 Compare Ignore Case

The Compare Ignore Case action will work in the similar manner as Compare action but with little enhancement. This action would ignore the Case Sensitivity of the Strings at the time of comparison.

8.33.15 IsBlankOrNull

The isBlankOrNull Test command allows users to verify whether the value of the Variable is Null and not.

8.33.16 Contains



The Contains action allows users to remove the leading and trailing blanks in the String.

8.33.17 URL Reachable

This action allows users to verify if a supplied URL in value column is a valid URL or not.

8.33.18 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison. This command will validate as per the behavior of If – not command.

8.33.19 Less than

This action allows users to test whether a value is less than another value.

8.33.20 Less than or equal to

This action allows users to test whether two numeric values are less than or equal to each other.

8.33.21 Greater than

This action allows users to test whether a value is greater than another value or not.

8.33.22 Greater than or equal to

This action allows users to test whether two numeric values are equal to each other.

8.33.23 Equal to

This action allows users to identify two values and returns true if the values on both sides are equal to one another.

8.33.24 Not equal to

This action allows users to check if the value of two operands are equal or not.

8.33.25 Current Page URL

This action allows users to evaluate the current page URL on the screen.

8.34 Import From

This test command allows users to import data from an Excel or a CSV file dynamically during script execution and utilize them in your test cases.



est							
#	Test Command	Action	Object	Value	Screenshot	Description	
X1	Import From	Select	-	2			
		Select					
		CSV File					
		Excel File					

8.34.1 CSV File

This action allows users to import data from an excel file during runtime. Absolute file path needs to be provided as an input. Delimiter needs to be specified as a separator for column recognition. Datatable to be specified to store the data from the file. Timeout can be specified according to the amount of data user is importing from the file.

8.34.2 Excel File

This action allows users to import data from an excel file during runtime. Absolute file path needs to be provided as an input. All the sheets inside the specified excel file will be populated when "Get Worksheet List" is clicked. User can choose the required sheet to be imported, and datatable to be specified to store the data from the file. Timeout can be specified according to the amount of data user is importing from the file.

8.35 Input

Input test command allows users to set a particular value in a textbox.

ng Op	eration					
	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open Page
2	Perform	Set:variable		2		Set a variable
3	Perform	Set:variable				Set a variable
4	Input		oldPassword	\${varOldPassword}		Input old password
5	Input		newPassword	\${varNewPassword}		Input new password
6	Click		📘 checkSubmitB			Click submit
7	If	Compare				Compare value of old and new passwords
8	Get	Text	alert	alertText		Get value from alert box
9	Write Message To			\${alertText}		Print alert text in console
10	String	Compare		2		Compare validation error message
11	End If					End if
12	String	Length		2		Get length for old password
13	Write Message To			\${varLength}		Print old password length in console

[Note: This test command does not contain any Action.]



8.36 IsSorted

This command allows users to perform following actions.

[**Note**]: It would work for strings, numeric data & alphanumeric data. For dates and other things, string based comparison will be made.

🖕 Test	Editor 📕 Test Data	Outline				
t						
#	Test Command	Action	Object	Value	Screenshot	Description
X1	IsSorted	Select	-	2		
		Select Ascending Descending				

8.36.1 Ascending

This action allows users to validate sorting in ascending manner of the specified column of a datatable.

8.36.2 Descending

This action allows users to validate sorting in Descending manner of the specified column of a datatable.

8.37 KeyPress

Keypress test command allows users to perform functionalities of various function keys on a web page.

#	Test Command	Action		Object	Value	Screenshot	Description
X 1	Keypress	Select	-				
		Select	×				
		Down					
		Enter					
		Escape	-				

8.37.1 Enter



This action allows users to perform the functionality of an Enter key on an object.

8.37.2 Escape

This action allows users to perform the functionality of an Escape key on an object. User can use this object when they want to escape an alert/message box or any frame/window.

8.37.3 Tab

This action allows users to use the functionality of the Tab key. It will move to the object whose id is defined in the Object column.

8.37.4 Refresh

This action allows users to Refresh and re-load the contents of the web page.

8.37.5 F1

This action allows users to view the Help contents of an application.



8.37.6 F3

This action allows users to access the Search box on the web page.

8.37.7 F6

This action allows users to Move the cursor to the URL bar of the web page.

8.37.8 F10

This action allows users to Move the cursor to the first Menu in the Menu Bar of the web page.

8.37.9 F11

This action allows users to view the Full-screen of a web page. It will hide the URL bar, menu bar, tabs of the web page.

8.37.10 Page Up

This action allows users to use the functionality of Page Up key. It scrolls the page up in the same proportion as the Page Up key functions.

8.37.11 Page Down

This action allows users to use the functionality of Page Down key. It scrolls the page down in the same proportion as the Page Down key functions.

8.37.12 Up

This action allows users to use the functionality of up key wherever scrolling is required on a page. It will move to the object whose id is defined in the Object column.

8.37.13 Down

This action allows users to use the functionality of down key wherever scrolling is required on a page. It will move to the object whose id is defined in the Object column.

8.37.14 Left

This action allows users to use the functionality of Left key. It will move to the object whose id is defined in the Object column.

8.37.15 Right

This action allows users to use the functionality of Right key. It will move to the object whose id is defined in the Object column.



8.38 Loop End

Loop End test command allows users to end a defined loop of test steps. To execute a loop, user needs to configure it using Data table.

🛓 Test	t Editor 📗 Test Data	📥 Outline				X D 🗅 + — 🔺 🔽 🦷
ogin						
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Loop Start			2		Iterate over data table LoginData
3	Input		txtUser	\${LoginData.username}		Input username using data table to textfield
4	Input		txtPass	\${LoginData.password}		Input password using data table to textfield
5	Click And Wait		🤜 btnLogin			Click on submit button
6	Loop End					Loop end

[Note: This test command does not contain any Action.]

8.39 Loop Start

Loop Start test command allows users to start a defined loop of test steps. To execute a loop, user needs to configure it using Data table.

[**Note:** User needs to provide details of Target Data Table, Start Index and End Index. Also, user can choose between Standard and Custom Loop based on the requirements.]

5	Test	Editor 📗 Test Data	📥 Outline				X D
Lo	gin						
4	ŧ	Test Command	Action	Object	Value	Screenshot	Description
	1	Open Page			http://testing-whiz.com		Open page
	2	Loop Start			2		Iterate over data table LoginData
	3	Input		txtUser	\${LoginData.username}		Input username using data table to textfield
	4	Input		txtPass	\${LoginData.password}		Input password using data table to textfield
	5	Click And Wait		🤍 btnLogin			Click on submit button
	6	Loop End					Loop end



8.40 Math

The Math Test command allows users to perform calculation on numeric data by formatting it in a desired format.

mpare	DataTables					
	Test Command	Action	Object	Value	Screenshot	Description
1	Perform	Set:globalvariable				Initialize mismatch counter variable
2	Perform	Set:globalvariable				Initialize loop counter variable
3	Loop Start					Loop through first data table as reference
4	If	Compare		Z		Carry out straight comparison between tw
5	Else					Else
6	Math	Select	-	globalVariable:::mismat		Increment mismatch count
7	End If	Select	^			End if
8	Math	Absolute Value	=			Increment counter for indexing in compari
9	Loop End	Ceiling Value				End of loop
10	Write Message To	Floor Value	Ψ.	\${mismatch_cnt} differe		Print differences count in data tables

8.40.1 Absolute Value

The action allows users to return the absolute value of a double value. If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned.

In Special cases: If the argument is positive zero or negative zero, the result is positive zero. If the argument is infinite, the result is positive infinity. If the argument is Nan, the result is Nan.]

8.40.2 Integer Value

The Integer action allows users to return the value of this double as an integer (by casting to type integer).

8.40.3 Floor Value

The Floor action allows users to return the largest (closest to positive infinity) double value that is less than or equal to the argument and is equal to a mathematical integer.

In Special cases: If the argument value is already equal to a mathematical integer, then the result is the same as the argument. If the argument is Nan or an infinity or positive zero or negative zero, then the result is the same as the argument.



8.40.4 Ceiling Value

The Celling action allows users to return the smallest (closest to negative infinity) double value that is greater than or equal to the argument and is equal to a mathematical integer.

In Special cases: If the argument value is already equal to a mathematical integer, then the result is the same as the argument. If the argument is Nan or an infinity or positive zero or negative zero, then the result is the same as the argument. If the argument value is less than zero but greater than -1.0, then the result is negative zero.

8.40.5 Add

The Add action returns the sum of supplied values, or variables, to the user.

8.40.6 Subtract

The Subtract action returns the difference of supplied values or variables, to the user.

8.40.7 Number Between

Test action to generate a random number between a specified range. Users need to specify Range start and Range end number and a variable to store the generated number. For e.g. Range Start = 1, Range End = 100 and Target Variable = ran_num. TestingWhiz will generate a random number between 1 and 100 i.e for e.g. 57 and store it in the variable "ran_num".

8.40.8 Multiply

The Multiply action returns the product value of supplied numbers, or variable values in a Target Variable name specified.

8.40.9 Divide

The Divide action returns the quotient value of supplied numbers, or variable values in a Target Variable name specified.

8.40.10 Remainder

The Remainder action returns the remainder value of supplied numbers, or variable values in a Target Variable name specified.



8.41 Mobile

The Mobile Test command allows users to perform actions on the Mobile or on a Simulator.

New Tes	t Case						
#	Test Command	Action	Object	Value	Screenshot	Description	
X 1	Mobile	Select	-	2			
		Select	A				
		Get Contexts Get Orientation Hide Keyboard Pinch	-				

8.41.1 Tap

This action allows the user to Tap on the center of screen.

8.41.2 Tap by Co-ordinates

This action allows users to perform a tap action in mobile devices/emulators using screen X and Y co-ordinates. Users need to provide X and Y co-ordinates in the value column of this test command. Users can make use of Get >> Co-ordinates to fetch the co-ordinates of any web-element.

8.41.3 Swipe

This action allows the user to perform swipe gesture across the screen i.e. Left, Right, Up and Down.

8.41.4 Zoom on Element

This action allows the user to zoom on a particular element on the screen.

8.41.5 Zoom on Location

This action allows the user to zoom on a particular location on the screen.

8.41.6 Hide Keyboard

This action allows the user to hide/minimize the keyboard which would be visible on the screen.

8.41.7 Pinch

This action allows the user to zoom out/pinch gesture on screen.

8.41.8 Reset App

This action allows the user to reset the particular application which is running for the session and perform further actions ahead.



8.41.9 Rotate

This action allows the user to rotate the screen to portrait or landscape.

8.41.10 Scroll To

This action allows the user to scroll to the element whose "text" attribute contains the Input text.

8.41.11 Scroll to Exact

This action allows the user to scroll to exact location of the element as per the Input text.

8.41.12 Get Orientation

This action allows the user to get the orientation of screen.

8.41.13 Switch Context

This action is basically used in a Hybrid Application. It allows the user to switch the context from Native to Webview and vice versa. Currently its scope is limited to Simulator.

8.41.14 Get Contexts

This action is basically used in a Hybrid Application. It allows user to get all available contexts of application and stores it in specified Data table. Currently its scope is limited to Simulator.

8.42 Move

Move test command allows users to move to a specific page/frame/window.

🖕 Test	Editor 📗 Test Data	A Outline				
New Tes	t Case					
#	Test Command	Action	Obje	ect Value	Screenshot	Description
X 1	Move	Select	-			
		Select	A			
		To Frame To Next Page To Parent To Previous Page	-			

8.42.1 To Next Page

This action allows users to move to the next page after the current page.

8.42.2 To Previous Page

This action allows users to move to the previous page.

8.42.3 To Window



This action allows users to move the focus to any open window on a web page.

8.42.4 To Frame

This action allows users to move to different frames of the framework-design based web page.

8.42.5 To Parent

This action allows users to move to parent window/web page from any opened window/web page.



8.43 Open Page

Open Page test command allows users to open a particular web page in the browser.

asic Elemer	nt									
# Т	est Command	Action	Object	Value	Screenshot	Description				
1 0)pen Page			http://testing-whiz.com		Open sample page				
2 V	erify	Title		Testingwhiz - Basic Ele		Check title				
3 S	et	Value	.//*[@id='input_te	Testing		Set value for text field				
4 S	et	Value	input_password	******		Set value for password field				
5 S	et	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area				
6 C	lick And Wait		gender:on			Choose a radio button				
7 C	lick And Wait		hobbies2			Select check box				
8 S	elect	Value	option_select	Opel		Select value from drop down				
9 C	heck	Text		Input button		Verify text on page				
10 C	lick		寻 reset			Click on reset button				
11 W	Vrite Message To			Basic element script		Print in console				

[Note: This Test command does not contain any Action.]

8.44 Parse

Parse test command allows users to parse meaningful information from a JSON message or an XML message which can be captured as a response of an API or from a file.

						2220000
etermi	ne multiplication result (using SOAP WS				
#	Test Command	Action	Object	Value	Screenshot	Description
1	Execute	SOAP Web Service				Execute a soapful service
2	If	Equal to		2		Check response code to be 200
3	Parse	Select	-	2		Parse XML response and extract CapitalCity
4	Write Message To	Select		Multiplication result 23x		Print variable in console
5	Else	JSON Message				Else
6	Write Message To	AIVIL IVIESSAGE		API not working		Print message in console
7	Fail					Explicitly fail the test case
8	End If					End if

8.44.1 JSON Message

This command allows users to parse any JSON string or the JSON string which is returned as a result in REST Web Service test command.

For example:

```
"store": {
    "book": [
    {
        "category": "reference",
```



```
"author": "Nigel Rees",
   "title": "Sayings of the Century",
   "price": 8.95
},
{
   "category": "fiction",
   "author": "Evelyn Waugh",
   "title": "Sword of Honour",
   "price": 12.99
},
{
   "category": "fiction",
   "author": "Herman Melville",
   "title": "Moby Dick",
   "isbn": "0-553-21311-3",
   "price": 8.99
},
```

}

"store.book[*].author" expression will fetch all the authors of all books.

"book[2]" expression will fetch the third book from the list.

```
"book[(@.length-1)]" expression will fetch the last book.
```

8.44.2 XML Message

This test command allows users to extract some values from an XML message or a file. XML messages can be the result of SOAP Web Services responses or users can also upload an XML file. Users can get more help on how to Parse an XML with an xpath, mouse-hover on the Help icon available.

For example:


```
<GetCityForecastByZIPResult>
            <Success>true</Success>
            <ResponseText>City Found</ResponseText>
            <State name="a">FL</State>
            <City>Mid Florida</City>
            <WeatherStationCity>Orlando</WeatherStationCity>
            <ForecastResult>
               <Forecast>
                  <Date>2014-08-18T00:00:00</Date>
                  <WeatherID>2</WeatherID>
                  <Desciption>Partly Cloudy</Desciption>
                  <Temperatures>
                     <MorningLow/>
                     <DaytimeHigh>95</DaytimeHigh>
                  </Temperatures>
                  <ProbabilityOfPrecipiation>
                     <Nighttime/>
                     <Daytime>30</Daytime>
                  </ProbabilityOfPrecipiation>
               </Forecast>
              </ForecastResult>
         </GetCityForecastByZIPResult>
      </GetCityForecastByZIPResponse>
   </soap:Body>
</soap:Envelope>
```

XPath :

Get State value : //GetCityForecastByZIPResult/State/text()

Get State node : //GetCityForecastByZIPResult/State

Get list of forecast node ://GetCityForecastByZIPResult/ForecastResult/Forecast

Count No. of forecast node in message : count(//GetCityForecastByZIPResult/ForecastResult/Forecast)



Get list of nodes where DayHighTime is 95 : //Temperatures[DaytimeHigh=95]

Get name attribute value of State node : //State/@name



8.45 Perform

ing O	peration					
•	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open Page
2	Perform	Select		2		Set a variable
3	Perform	Select		2		Set a variable
4	Input	Accept Alert	oldPassword	{varOldPassword}		Input old password
5	Input	Close	newPassword	\${varNewPassword}		Input new password
6	Click	Double Click	, 撞 checkSubmitB			Click submit
7	If	Compare		2		Compare value of old and new passwords
8	Get	Text	🔤 alert	alertText		Get value from alert box
9	Write Message To			\${alertText}		Print alert text in console
10	String	Compare		2		Compare validation error message
11	End If					End if
12	String	Length		2		Get length for old password
13	Write Message To			\${varLength}		Print old password length in console

Perform test command allows users to perform various actions as follows.

8.45.1 Right Click

This action allows users to perform right click on a particular object.

8.45.2 Mouse Over

This action allows users to perform Mouse Over action on a particular object.

8.45.3 Scroll Up

This action allows users to perform scrolling up on a particular page.

8.45.4 Scroll Down

This action allows users to perform scrolling down on a particular page.

8.45.5 Close

This action allows users to close a particular page.

8.45.6 Set:variable

This action allows users to set a temporary variable to an object.

8.45.7 Accept Alert

This action allows users to accept the alerts/messages of the alert boxes.

[Note: This operation will not work with Android and iOS mobile browsers.]

8.45.8 Reject Alert

This action allows users to reject the alerts/messages of the alert boxes.



[Note: This operation will not work with Android and iOS mobile browsers.]

8.45.9 Set:globalvariable

This action allows users to set a permanent variable to an object. It is recommended to have a separate Test case for defining all the global variables.

8.45.10 Double Click

This action allows users to perform double click function on any button.

8.45.11 Drag and Drop

This action allows users to Drag and Drop facility on the web page.

8.46 Run Command

The Run Command test command allows users to execute the MS – DOS Commands.

Test Command	Action	Object	Value	Screenshot	Description
Run Command			2		
😵 Run Command Te	est Command				
Command :	*			A	
				Ŧ	
Target Variable :	*				
Timeout (In milli	iseconds) : * 6000	T			
	Cours.	Canaal			

[Note: This Test command does not contain any Action.]

8.47 Run Remote Command

This test command allows users to execute a Linux based commands to FTP Server.



Test Command	Action	Object	Value	Screenshot	Description
Run Remote Com					
😢 Run Remote (Command Test Comman	d			
SFTP Alias :	*			•	
	۲	Linux			
Command :	*			*	
				Ŧ	
Target Variabl	e: *				
Timeout (In	milliseconds) : * 60	00		▼	
_					

8.48 Search

8.48.1 Object

The Search > Object test command allows users to Search the Object value in a particular direction on a webpage and store it into Object repository.

#	Test Command	Action		Object	Value	Screenshot	Description
X1	Search	Select	-				
		Select					
		Object					

8.49 Select

#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Select	Select	-			
		Select				
		Index				
		Value				



8.49.1 Value

This test command allows users to select a value of any object and variable. This can prevent unauthorized access of applications.

8.49.2 Index

This test command allows users to select an index of any object and variable. This can prevent unauthorized access of applications.

8.50 Send Mail

Send Mail test command allows users to send mails to desired email addresses easily during script execution. To execute this test command, users should have the required Mail configurations done.

[Note: User needs to click on *icon and enter* **To** (Recipient's ID), **Subject** and **Message** as shown below.]

	Test Command	Action	Object	Value	Screenshot	Description
	Send Mail					
1	Send Mail Test Cor	mmand				
	To : (; separated email a	* addresses)			-	
	Subject :					
	Message :				*	
					-	
				_		

[Note: This Test command does not contain any Action.]



8.51 Server

Test	Editor 📕 Test Data	📥 Outline				
#	Test Command	Action	Object	Value	Screenshot	Description
X 1	Server	Select Select Callback Checkpoint GET Request POST Request				

8.51.1 GET Request

This test command allows users to request in is used by app server to signal to the test script that the HTTP request has been received.

8.51.2 POST Request

This test command allows users to request out is used by app server to signal to the test script that the HTTP response has been dispatched.

8.51.3 Checkpoint

This test command allows users to Checkpoint is used to check whether the execution logic has passed via a line of code.

8.51.4 Callback

This test command allows users to Callback is used to call a java method in the web application from the test script.

8.52 Set

🖕 Test	Editor 🔠 Test Data	📥 Outline						
t								
#	Test Command	Action	Object	Value	Screenshot	Description		
X1	Set	Select	•					
		Select Value						

8.52.1 Value

This test command allows users to set a value of any object and variable. This can prevent unauthorized access of applications.



8.53 String

The String Test command allows users to perform various manipulations like Comparison, Finding the Length, etc. while working with the Strings.

#	Test Command	Action		Object	Value	Screenshot	Description
X1	String	Select	-				
		Select					
		Compare					
		Compare Ignore Case					
		Concatenate Contains	÷				

8.53.1 Extract Substring

The Extract Substring action allows users to extract a range of characters as a Sub String from the given String.

[**Note:** The extraction of substring would depend on the Begin and End Indexes specified by a user. If a user does not mention the End Index, then the length of the Sting would be considered as End Index.]

8.53.2 To Lower

This action will convert the Uppercase letter to the corresponding Lowercase Letter.

8.53.3 To Upper

This action will convert the Lowercase letter to the corresponding Uppercase Letter.

8.53.4 Trim

The Trim action allows users to remove the leading and trailing blanks in the String.

8.53.5 Length

The Length action allows users to determine the length of the String.

8.53.6 Compare

The Compare action allows users to perform the Comparison between two stings i.e. verify whether two strings are equal or not. The Compare action will take the Case Sensitivity of the Strings into consideration.

8.53.7 Compare Ignore Case



The Compare Ignore Case action will work in the similar manner as Compare action, but with a little enhancement. This action will ignore the case sensitivity of the Strings at the time of comparison.

8.53.8 Concatenate

The Concatenate action will merge 2 Strings that is, it would append String2 at the end of String1.

8.53.9 IsBlankOrNull

The isBlankOrNull Test command enables a user to verify whether the value of a Variable is Null and not.

8.53.10 ToNumber

The ToNumber action will convert the numeric characters into the numbers with relevant data type.

8.53.11 Contains

The Contains action allows users to determine whether a string contains a given sub string.

8.53.12 Split

This action allows users to split the string into multiple parts by making use of a delimiter.

8.53.13 Remove

This action allows users to remove a part by specifying it in another string.

8.54 Trigger

lasic Ele	ment					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz [™] is an Easy		Set value for text area
X 6	Trigger	Select	✓ hobbies2			
7	Click And Wait	Select	gender:on			Choose a radio button
8	Click And Wait	Value	✓ hobbies2			Select check box
9	Select	Value	option_select	Opel		Select value from drop down
10	Check	Text		Input button		Verify text on page
11	Click		寻 reset			Click on reset button
12	Write Message To			Basic element script		Print in console

8.54.1 Value



This test command allows users to check value is used by application code to tell test script to assign a value to an object during runtime.

8.55 Verify

Verify test command allows users to verify any action. Verify test command will work same as Check test command. The only difference is that Verify test command will not stop the execution from the point where it fails.

lew Te	st Case						
#	Test Command	Action		Object	Value	Screenshot	Description
X 1	Verify	Select	-				
		Select					
		Checked					
		Cookie					
		Current Page URL					

8.55.1 Text

This action allows users whether the specified text is present on a page or not. The action will be performed for all the text on the page. The check will be performed by matching the case of the text value specified. Text with special symbols will not be considered. For e.g "hello" will be considered different from HELLO. Check test command will not stop the execution from the point where it fails.

8.55.2 Title

This action allows users to verify whether the title of a page has the specified value or not.

8.55.3 Checked

This action allows users to verify whether the checkbox is checked or selected.

8.55.4 Unchecked

This action allows users to verify whether the checkbox is unchecked or de-selected.

8.55.5 Visible

This action allows users to verify whether a specific object is visible on the page or not.

8.55.6 Invisible

This action allows users to verify whether a specific object is invisible/hidden on the page or not.

8.55.7 Enabled



This action allows users to verify whether the object (links, buttons etc.) is enabled on the page.

8.55.8 Disabled

This action allows users to verify whether the object (links, buttons etc.) is disabled on the page.

8.55.9 Selected:index

This action allows users to verify whether the option of the specified index is selected in the dropdown list.

8.55.10 Selected:value

This action allows users to verify whether the option of the specified value is selected in the dropdown list.

8.55.11 Text:value

This action allows users to verify whether an object has the specified value or not. This test command can also be utilized by taking value from the text box. For e.g. when the values in the textbox are automatically populated from a database, a user can check/verify these values by taking id or object of the textbox.

8.55.12 Exists

This action allows users to verify whether the object exists on the page or not. Verify test command will not stop the execution from the point where it fails.

8.55.13 URL Reachable

This action allows users to verify if a supplied URL in value column is a valid URL or not.

8.55.14 Image

This action allows users to compare two images with URL to URL, File to File and URL to file comparison. This command will run as per the behavior of Verify functionality, which includes following scenarios:

A. The Verify command will fail if tolerance power given is less than actual difference in images.

B. The Verify command will pass if tolerance power given is greater than actual difference in images.

8.55.15 Test Ignore Case



This action allows users to verify whether the text is present on the page irrespective of the case of the text. The check will be performed by ignoring the case of the text value specified. Text with special symbols will not be ignored.

For e.g. "hello" will be considered same as HELLO. The check will be performed on all the contents that are present in the form of the text like labels, links etc. Verify test command will not stop the execution.

8.55.16 Cookie

This action allows users to check whether the page contains a specified cookie or not. The result of the cookie's presence or absence will be reflected in the log that is generated for the Report of the Test Case.

8.55.17 Single Occurrence

This action allows users to verify whether the value occurs only one time on the page or not. The Single Occurrence action will occur only on page contents. It will not include page title, header etc. verify test command will not stop the execution.

8.55.18 Current Page URL

This action allows users to verify the current page URL on the screen.

8.56 Visual

Visual command allows users to automate desktop popups and widgets. Its family of commands that use image matching and recognition.

🖕 Test	Editor 📗 Test Data	📥 Outline					
New Tes	t Case						
#	Test Command	Action		Object	Value	Screenshot	Description
X1	Visual	Select	-				
		Select Click Control Click Double Click Drag	• •				

8.56.1 Click

This action allows user to perform click on a particular object.

[Note: This command will be performed on the objects of the recently opened page.]

8.56.2 Input



This action allows user to input a particular value in a textbox.

[Note: This command will be performed on the objects of the recently opened page.]

8.56.3 Double Click

This action allows user to perform double click function on any button.

8.56.4 Right Click

This action allows user to perform right click on an object.

8.56.5 Middle Click

This action allows user to perform middle click in the center of the area after matching it with the stored image.

8.56.6 Drag

This action allows user to identify an area by image matching and drag it.

8.56.7 Drop

This action allows user to identify an area by image matching and drop into it.

8.56.8 Shift Click

This action allows user to click in the center of the area after matching it with the stored image while simultaneously pressing Shift key.

8.56.9 Control Click

This action allows user to click in the center of the area after matching it with the stored image while simultaneously pressing Control key.

8.56.10 Hover

This action allows user to move the mouse focus on the specified object.

8.56.11 Scroll

This action allows user to scroll down or up depending on value (positive or negative).

8.56.12 Read Text

This action allows user to identify an area by image matching and read the text inside using Optical character recognition(OCR), storing the result in a global variable.



8.57 Wait

Wait test command allows an element/object to wait till it is rendered on a page or for a specific time before the execution of the next action.

🖕 Tes	Editor 📕 Test Data	📥 Outline					X 🛛 🗅 🕂 🗕 🖉 🗖
New Tes	t Case						
#	Test Command	Action		Object	Value	Screenshot	Description
X 1	Wait	Select	-				
		Select					
		For Element					
		For Page To Load For Time					

8.57.1 For Element

This action allows an object/element to wait for a specific time before the next action occurs.

The user can also select the Auto record feature of Wait for Element shown in the figure below. This will add the Wait for Element Test Command automatically in the Test Script for Test Command "Click" and "Select".

8.57.2 For Time

This action allows users to wait for a specific time before the next action occurs.

8.57.3 For Page to Load

This action allows users to wait till the page is loaded fully. TestingWhiz would wait for the server response for ReadyState Page and will move ahead on to next step when it receives from the browser.

8.58 While End

While End test command allows users to end a While loop of Test Steps for a defined condition.



Test	Editor 📗 Test Data	📥 Outline				X 🖲 🕇 🗕 🔺 🦳 🗖
While Op	peration					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Input		📘 name	John		Input value in a name textfield
3	Input		address	Boston		Input value in an address textfield
4	Input		phoneno	313-256-9856		Input value in a phone textfield
5	Input		撞 emailid	abc@test.com		Input value in an email textfield
6	Click And Wait		撞 submit			Click on submit button
7	While Start			2		While loop start
8	If	Visible	ontactSuppor			If a message is visible on screen
9	Get	Text	DIV contactSuppor	message		Get message text from a location
10	Else					Else
11	Break					Break the while loop
12	End If					End if
13	While End					End of while loop

[Note: This Test command does not contain any Action.]

8.59 While Start

While Start test command allows users to start a defined While Loop of Test Steps. To execute this loop, user can mention the condition for the loop.

¢	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open page
2	Input		🚺 name	John		Input value in a name textfield
3	Input		address	Boston		Input value in an address textfield
4	Input		phoneno	313-256-9856		Input value in a phone textfield
5	Input		撞 emailid	abc@test.com		Input value in an email textfield
6	Click And Wait		📘 submit			Click on submit button
7	While Start			7		While loop start
8	SQ. While Start Tor	rt Command	- O - X			If a message is visible on screen
9	Write Start Tes	st Command		nessage		Get message text from a location
10) Valuation .	* 1				Else
11	value:	<u>u</u>	Ŧ			Break the while loop
12	Condition :	•				End if
13	Condition	<	•			End of while loop
	Value2 :	* 6	~			
	Operator :	* [+	•			
	Step By :	1	?			
		Save Cancel				

[Note: User needs to input data in Value1, Condition, Value 2, select Operator information and Step By position.]

[**Note:** A script with While Start test command should also contain While End test command to end the loop.]



[Note: This Test command does not contain any Action.]

8.60 Write Message To Report

Write Message to Report test command allows users to write a particular message on the console and report window.

sic Ele	ment					
#	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
6	Click And Wait		ender:on			Choose a radio button
7	Click And Wait		hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		reset			Click on reset button
11	Write Message To			Basic element script		Print in console

[Note: This Test command does not contain any Action.]

8.61 Write Variable To Data Table

This command allows a user to Write Source and Target Variable to Data Table



	Test Command	Action	Object	Value	Screenshot	Description
1	Open Page			http://testing-whiz.com		Open sample page
2	Verify	Title		Testingwhiz - Basic Ele		Check title
3	Set	Value	.//*[@id='input_te	Testing		Set value for text field
4	Set	Value	input_password	******		Set value for password field
5	Set	Value	input_textarea	TestingWhiz™ is an Easy		Set value for text area
6	Click And Wait		gender:on			Choose a radio button
7	Click And Wait		✓ hobbies2			Select check box
8	Select	Value	option_select	Opel		Select value from drop down
9	Check	Text		Input button		Verify text on page
10	Click		reset			Click on reset button
11	Write Message To			Basic element script		Print in console
X 12	Write Variable To			2		
	Sour Targ	e Variable To Data Table Te ce Variable : * et Data Table : * Save	sst Command			

[Note: This Test command does not contain any Action.]