TestingWhiz
Code Less, Test More

60% REDUCTION IN MANUAL TESTING PROCESS

of Healthcare Web Application with Automated Testing Implementation

COUNTRY	DOMAIN
USA	**HOSPITAL & HEALTH CARE**

CLIENT PROFILE

The client is a for-profit managed healthcare company based in the United States of America. It offers healthcare products and insurance services for more than 142 million people worldwide. It is one of the top 10 ranked in Fortune 500 and the largest healthcare company in the world by revenue, with a revenue of $226.2 billion in 2018. They serve people with healthcare services through two distinct complementary businesses. Their mission is to help people live healthier lives and make the healthcare system work better for all.

BUSINESS REQUIREMENT

The client had been struggling to deal with the tedious process of manual UAT testing for their web application used for providing healthcare solutions. They needed a solution partner who could help them reduce their manual efforts and automate approximately 400 manual test cases.

They also wanted their technology partner to investigate the data captured via rigorous testing of reports generated in PDF and/or TSV formats. In addition, they needed to test their web application on different versions of OS/ Browsers without detailed documentation. They also wanted to make sure that the upgradation from the previous release to the new release would be glitch-free and seamless.

CYGNET'S SOLUTION

Our team of testing experts suggested using TestingWhiz as a testing tool. In order to reduce manual efforts, the TestingWhiz team offered Whiz-Consulting services. As part of the Whiz-Consulting services, the analysts team gathered manual use cases from the client's team while our automation experts converted them into automated scripts using the TestingWhiz automation tool.
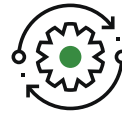
Our team gradually enhanced their regression cycles by automating some of their use cases for UAT final release testing. With our accurate testing tool, we delivered a bug-free product functional in the production environment within the stipulated deadlines.

To test all the functionalities of the applications, we automated process flows and interaction with the server. We also created a customized tracking process to provide the client with daily updates and project statuses.

TYPES OF TESTING INCLUDED IN THE SOLUTION:

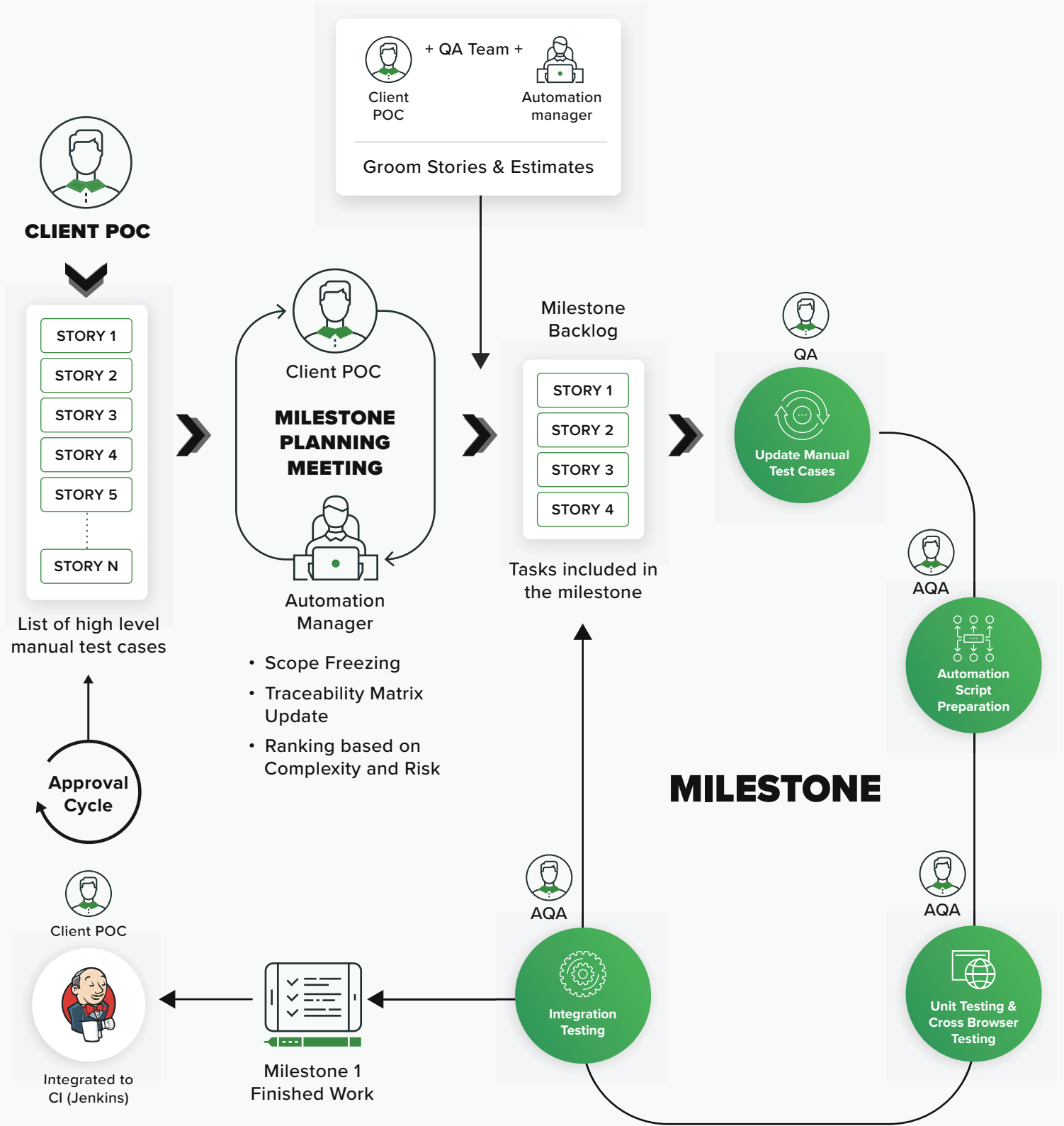**Functional Testing**

Regression Testing

UI Validation Testing
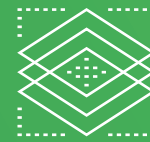
Backend Request Testing

DEVELOPMENT APPROACH

+ QA Team +

Client POC

Automation manager

Groom Stories & Estimates

CLIENT POC

STORY 1
STORY 2
STORY 3
STORY 4
STORY 5
STORY N

List of high level manual test cases

Client POC

MILESTONE PLANNING MEETING

Automation Manager

- Scope Freezing
- Traceability Matrix Update
- Ranking based on Complexity and Risk

Approval Cycle

Milestone Backlog

STORY 1
STORY 2
STORY 3
STORY 4

Tasks included in the milestone

QA

Update Manual Test Cases

AQA

Automation Script Preparation

MILESTONE

Client POC

Integrated to CI (Jenkins)

Milestone 1 Finished Work

AQA

Integration Testing

AQA

Unit Testing & Cross Browser Testing

BUSINESS BENEFITS

- Increased efficiency and reduced turnaround time for the development team

- Significant time savings for complex web application testing

- Faster results each time with higher productivity

- Sharp drop in the amount of UAT time required to run tests

- Decreased need for fixing glitches during release

- Manual efforts reduced by 60% through automated testing

- Reduced efforts for the overall application development lifecycle

TOOLS & TECHNOLOGY

TestingWhiz, Excel, PDF, Java, Angular JS

FRAMEWORK

Reusable Keyword Driven Framework

BROWSER COMPATIBILITY

Google Chrome, Mozilla Firefox, IE and Edge using Headless Execution

CLOUD TESTING PLATFORMS

BrowserStack, SauceLabs

DEVELOPMENT ENVIRONMENT

Windows

PROJECT MANAGEMENT METHODOLOGY

Waterfall

TestingWhiz
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ABOUT TESTINGWHIZ

TestingWhiz, a product of Cygnet Infotech, uses Cygnet's proprietary technology combined with Selenium to bring the codeless approach to App Testing. It offers 360-degrees automation with a full circle support on Web, Mobile, Database, Web Services, Big Data Testing and Cloud Applications. It accurately performs End-to-End tests like Functional, Regression, Web UI, Database, Cross Browser, Big Data and more.

It is an easy and intuitive test automation solution based on robust Flexible Automation Scripting Technology (FAST®) that uses intelligent and reusable recording techniques like Keyword Driven Testing, Data Driven Testing, Object Based Inputs and Java Scripting to design and execute test cases for technical and non-technical users alike.

CONTACT US

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10000+
Enterprise
Downloads

20+ Countries
with happy
Customers

150+ Trainings
Conducted
Successfully

1500+
Demos Conducted

RECOGNIZED BY

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