expedux

AUTOMATED 500 COMPLEX TEST CASES WITHIN 5 MONTHS USING SELENIUM PHP SCRIPTING WITH PHP STORM IDE FOR A US BASED MARKETING PLATFORM PROVIDER

SUCCESS STORIES

QA
AUTOMATION
BY NUMBERS

60% AUTOMATION COVERAGE WITHIN 5 MONTHS

2 WEEKS FREE PILOT PROJECT TO IDENTIFY RIGHT TOOL

SELENIUM PHP SCRIPTING WITH PHP STORM IDE

CHALLENGES:

Our customer is a pioneer in digital marketing and Email Automation platform solutions. This platform helps B2B and B2C Organizations create effective online campaigns across multiple platforms (Web & Mobile). Our customer came to us initially with the following challenges.

- Lack of test automation stability with frequent changes & iterations

- Complex Workflow engine with no specific tool to fit in directly to per form Automation

- High defect leakage ratio without scalable automation framework

TECHNOLOGY SNAPSHOT:

Tools Used:

Selenium and Appium

Project Management:

PHP Storm IDE

Browser Support:

Firefox , Google chrome & IE, Safari

Platforms Windows 8.1, 7, 10 and Mac OS

Platform Support:

Web & Mobile (iOS & Android)

SOLUTIONS:

Expedux has approached the challenges with our innovative E-cube Engagement Model – Evaluate, Execute and Enhance . We started with a pilot project by automating 2 end-to-end Business Scenario's using Selenium PHP Scripting with PHP Storm IDE within 2 Weeks. Our customer was happy with the Evaluate Phase and he wanted to continue with us due to our capability and expertise in Selenium.

After crossing the Evaluate phase, we have started building additional test cases/scripts and scenarios by taking into the complex nature of the application. Since it's a combination of multiple browsers/ streaming capabilities/ multi layered data centric platform, we have taken step by step process and automated their 500 web app test cases in 5 months. We have helped our customer to achieve 60% automation coverage and our current status in automation remains steady, consistent and we maintain a good automation working relationship with our customer.

KEY ENGAGEMENT HIGHLIGHTS:

- Identifed and fixed 30 high and medium priority bugs in evaluate phase

- Maintained dedicated Quality Center for our customer

- Continuous Integration Testing, Automation Regression Testing.

- Multi Environment Support.

BENEFITS

- Reduced defect leakage from 8% to 2% within 5 months

- Improved developers testers collaboration by implementing CI tools (Jenkins & Maven)

- Implemented Selenium as a core test automation tool for one of the complex applications in the industry

- Ongoing maintenance of test scripts & Continuous QA Regression Support

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