expedux

SUCCESS STORIES

QA

AUTOMATION BY NUMBERS

- **80% REDUCTION IN THE COST OF REWORK**

- **2 WEEKS FREE PILOT PROJECT TO IDENTIFY RIGHT TOOL**

- **MULTIPLE PLATFORM/ ENVIRONMENT SUPPORT WITH SAME SCRIPT**

CHALLENGES:

Our customer is a pioneer in legal space providing an online interaction management platform for Attorneys. This platform provides exceptional support services for attorneys nationwide with web and mobile platforms. Our customer came to us with the following challenges.

- Lack of test automation stability due to fre quent changes & iterations.

- Imminent need for Multi-Platform/ Browser support

- Highly complex test cases.

TECHNOLOGY SNAPSHOT:

Tools Used:

Selenium

Project Management:

Continuous Integration using Jenkins

Browser Support:

Firefox , Google chrome & IE, Safari

Platforms Windows 8.1, 7, 10 and Mac OS.

Platform Support:

Web & Mobile (iOS & Android)

SOLUTIONS:

Expedux understood the functional flow of the product including the various components that were used in building the application. We created manual test cases to validate the software. On completion of pilot phase, we started building additional test cases/scripts and scenarios by taking into consideration the complex nature of the application. Since it's a combination of multiple browsers/multi layered data centric platform, we have took a step by step process and automated 1300+ test cases in 24 weeks' time to provide regression testing. We helped our customer achieve 80% automation coverage within 6 months and our current status in automation remains steady and consistent thereby continuing a good working relationship with our customer.

KEY ENGAGEMENT HIGHLIGHTS:

- Tested their mobile app with real devices using our mobile test lab (Android and iOS)

- Automation Regression Testing.

- Multi Environment Support.

- Aiming for 92% automation coverage within 10 months of engagement

E3 Engagement Model

Evaluate **Execute** **Enhance**

2 - 4 Weeks 1 Week 20 - 24 Weeks Ongoing

Based on Success » Based on Success » Based on Success »

01 Phase 1
Assessment

Application Understanding

Assess Suitable Automation Tools

Decide on Degree of Automation to the Product

Demo the Test Automation Scripts

Provide expert process on engagement model

02 Phase 2
Planning

Derive the test plan for automation

Setup the required automation infrastructure

03 Phase 3
Execution

Enhance & Implement the automation framework

Automate Functional Test Cases

Decide on Degree of Automation to the Product

04 Phase 4
Maintenance

Extend test coverage by an efficcent test stratergy
(Manual driven/Automation driven)

Shorten test cycles

Maintenance of test suite

BENEFITS

- Reduced defect leakage from 10% to 3% within 5 months.

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

- Worked seamlessly with weekly one release mode - Test Scripts update and script creation at the same time.

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