Enhancing Quality of Patient Care with Regression Test Automation

BrightOutcome

Client Business Description

◇ BrightOutcome develops patient-centered healthcare applications designed to improve health outcomes

Background

◇ EPROmeasure is an advanced web-based ePRO (Electronic Patient Reported Outcome) solution designed for health providers, researchers, clinical trial managers, and Life Sciences professionals

◇ Data capture and automated scoring of PRO data performed via proprietary assessment algorithm

◇ Supports the most advanced PRO instruments, including CAT / IRT questionnaires

Challenge

◇ Browser Compatibility Test execution (effectively Regression Testing per Release Cycle) consumes about 350 hours per release

◇ Manually performing regression testing adds a lot of lag time in the release timelines even for minor releases

Idea

◇ Automate the regression testing on multiple browsers to reduce QA / Testing efforts & effectively 'speed' the deliveries and reduce defect slippage

◇ Reuse the scripts for automated Regression tests for future releases

Our Solution

◇ Identified critical Tests with high Business value and Risky scenarios

◇ Developed automated scripts using Selenium and Java

◇ Re-used the scripts for test execution on multiple browsers

◇ Reduced testing effort by a margin of 98.6%

About Mobile Pundits

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◇ Mobile Product Development
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