Case Study: End To End Regression Automation against an IOS Native App

Regression Automation Testing of an IOS Native App in 7 Days for a Population Health Management Software Company

**BUSINESS REQUIREMENTS**
End to End Regression Automation for a major Healthcare product on native app within seven days, without any detailed specifications

**OUR SOLUTIONS**
- Engaged the Test generator utilities to automatically create test cases and automation scripts
- Fully optimized test data mapping to the test scenarios with pairwise, 3 way/n way coverage
- Parallel Test execution across various devices / emulators using a cloud based test infrastructure

**TOOLS / TECHNOLOGIES**
- Happiest Minds Pro-Test mobile automation framework
- Apache POI, Maven
- Sauce Labs

**BUSINESS IMPACT**
- 40% effort saved for writing test cases and automation scripts
- Fully Automated traceability to ensure full regression coverage
- 25% time save with Distributed remote test execution

**TEST STRATEGY**
1. Model
   1a. Test Scenario Generator
   1b. Test Case Generator
   1c. Manual Test Cases

2. Raw Test Data
   2b. Test Data Optimization

3. Wireframes & UI Specs
   3a. Page Objects
   3b. Test Scripts
   3c. Client Side Performance Tests
   3d. Automated Test Infrastructure

4. PRO-TEST Automation Framework

**About Happiest Minds Technologies:**
Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as Big Data Analytics, Artificial Intelligence, Internet of Things, Cloud, Security, Blockchain, RPA, etc. Positioned as “Born Digital, Born Agile”, our capabilities span across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality.

Headquartered in Bangalore, India, Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.

To know more about our offerings, Please write to us at business@happiestminds.com