



# MOBILE AUTOMATION USING APPIUM

## Overview

The client is a leading provider of business automation solutions for the logistics tracking industry. The Mobile automation platform offers a revolutionary approach for allowing business users to automate and maintain complex process challenges in demanding business environments.

## Business Need

- ✓ To provide mobile test automation service to client UI & workflow applications
- ✓ The requirement was to automate client's application to reduce manual regression testing effort
- ✓ Creation of a reusable and maintainable framework that could be utilized for other business applications

## Client Situation

- ✓ Need for testing end-to-end app flow
- ✓ To build a comprehensive regression suite
- ✓ Enable ease of test data management for the business users
- ✓ Develop scalable mobile test automation framework for future mobile test automation
- ✓ Automate approximately 300+ functional test cases of mobile app mobile App



## Recommended Solution

- ✔ Developed and executed 300+ automated mobile test cases for workflow application
- ✔ Customized DevRabbit's Mobile test automation framework to support client's complex application architecture
- ✔ Built utility functions to handle mobile application controls and business functions specific to client's application
- ✔ Fully Automated Test Data Mining & Developed Mobile Test Foundation to execute the Mobile Test Scenarios across the devices
- ✔ Robust system and integration tests across different devices and simulators
- ✔ Development of Appium automated tests for Android and iOS on a "local" device.



## Results

- ✔ Reduce risk of defects due to enhanced coverage
- ✔ Faster Results due to easily detect flaws through code analysis
- ✔ Evaluates the entire code layout of the application including areas that wouldn't be analyzed such as entry points for different inputs, internal interfaces and integrations, data handling and validation logic
- ✔ Produce code review reports that include an executive summary that lists strengths and weakness and provides detailed findings that include precise code based solutions and fixes



## Technologies

- Selenium Webdriver • Appium • Xcode • Java



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