Enhancing Automated Testing Capabilities on Non Platform-Dependent Mobile Applications

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Abstract

Automated Testing software libraries have been created to take over simple and repetitive quality assurance tasks, and allow computers to assert correct user interface functionality quickly and consistently. This greatly increases the efficiency of human programmers and testers as they are able to spend their time on greater, less tedious problems, while programs automatically run large testing batches on themselves. Over the years, new testing frameworks have been developed, but there is still room for growth in testing capabilities and range of testing platforms. This thesis expands the capabilities of the Appium automated testing library on a non-conventional, non-native app by harnessing the use of Appium drivers.