HW3 - Tools for smartphones - 15%

Tool	Characteristics	Advantage	Disadvantage	Requirements
Appium	Test automation framework for web and mobile apps.	Support for Android and iOS. Support for various frames.	Long time to configure. Too many errors.	1 GB of storage, 2 GB of Ram.
Test flight	Allows sharing projects with 2000 testers. Create a record with reduced conditions.	Usable on most of iOS devices.	Only works on iOS.	iOS 8
MonkeyTalk	Automates functional interactive tests for Android and iOS apps.	Intuitive, Well designed.	It need to be installed in a computer and in the phone.	The devices must be on the same wifi network, Eclipse software, Source code of the app.

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I would use Appium because suports both Android and IOS, also works with multiple programming languages like java, python, ruby, c# as well as all kind of apps.

Appium can help any novice, intermedjate, or an advance engineer to help setup the test automation framework for a native and hybrid mobile application. Very easy to understand using the documentation, great inspector UI and easy to use. Also easy to configure and run tests.

Appium community is always active. Can run parallel tests on any platform. The thing that most people liked about Appium was the integration with mobile, the integration is really good, also the connection with it too. And the most important thing it automates most of the tasks on mobile apps which makes it easy for developers to write code for the apps and test it with minimum effort.

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