**Android Testing Tools**

Testing is a critical software development activity because it helps you to improve the quality of your apps, ensure better user satisfaction, and reduce overall development time spent on fixing defects.

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| **Language** | | **Tool** | | **Description** |
|  | | *AndroidJUnitRunner* | | JUnit 4-compatible test runner for Android |
| *Espresso* | | UI testing framework  Suitable for functional UI testing within an app. |
| *UI Automator* | | UI testing framework  Suitable for cross-app functional UI testing across system and installed apps. |
| Android | *Monkey* | | This tool runs on your device and generates pseudo-random streams of user events such as clicks, touches, or gestures, as well as a number of system-level events. Monkey tool can be used to stress-test applications that you are developing, in a random yet repeatable manner. | |
| *Monkeyrunner* | | This testing system provides an API for writing programs that control an Android device from outside of Android code. | |