**Automation Setup**:

1. Download Java newest available (JDK version) - <https://www.oracle.com/technetwork/java/javase/downloads/index.html>
   1. Setup JAVA\_HOME and path up to bin folder in Environment variables
2. Download and install Eclipse.
3. Install TestNG from eclipse.
4. Download and install Appium (If mobile app testing)
5. Download Android Studio - <https://developer.android.com/studio>
   1. Scroll down and download the required exe.
   2. Open android studio and open sdk manager
   3. Install the tools and platform-tools packages and other required packages.
   4. Set ANDROID\_HOME and in Path, add – path of tools and platform-tools.
6. Download Maven <https://maven.apache.org/download.cgi>
   1. Scroll down and download the binary tar.gz archive file
   2. Setup M2\_HOME and in path add up to bin folder.
   3. In cmd, type mvn –version and verify that maven and java correct versions are displayed.

**Appium Desired Capabilities in session**:

platformName – Android

deviceName – your device name

version – your device version

automationName – uiautomator2

appPackage – your apk package

appActivity – your apk avtivity - this can be found be entering adb shell in cmd and then dumpsys window windows | grep -E ‘mFocusedApp’

udid – iphone (if iOS device)