* **Appium Kurulumu**
  + Appium; NodeJS v14 ve NPM v8 gerektiriyor.
  + Kurulum için “npm i -g appium@next” komutu çalıştırılmalıdır. Sonrasında bir Appium Driver (Espresso, UiAutomator2 vs) kurulmalıdır. Son olarak bir Appium Client (Python vs) kurulmalıdır.
  + İsteğe göre “Appium Inspector”(graphical Appium client) ve “”Appium Desktop”(Appium server instead of command line) kurulabilir.
* **Shell**
  + Focus olan package/activity
  + adb shell dumpsys window | find "mCurrentFocus" (yada “*mFocusedApp”*)
  + adb shell "dumpsys window | grep -E 'mCurrentFocus'"
  + Bütün packagelar listesi
  + adb shell pm list packages
  + adb shell pm list packages -f | grep -i '*APPNAME*'
  + AAPT üzerinden activity listesi
  + build-tools/33.0.0/aapt dump badging base.apk | grep -i "launchable-activity"
  + Package’ın activity listesi
  + adb shell "dumpsys package | grep -i '*APPNAME*' | grep -i 'Activity'"
* **Appium ChromeDriver**
  + As of Chrome version 33, a rooted device is no longer required. If running tests on older versions of Chrome, devices needed to be rooted as Chromedriver required write access to the /data/local directory to set Chrome's command line arguments.
  + Android üzerinden Chrome-based browser otomasyonu
* **SpeedTest by Ookla**
  + am start org.zwanoo.android.speedtest/com.ookla.mobile4.screens.main.MainActivity
  + mCurrentFocus=Window{561cb9d u0 com.google.android.permissioncontroller/com.android.permissioncontroller.permission.ui.GrantPermissionsActivity} **Notification Permission ekranı**
  + pm grant org.zwanoo.android.speedtest android.permission.POST\_NOTIFICATIONS
  + mCurrentFocus=Window{4c3fbe6 u0 org.zwanoo.android.speedtest/com.ookla.mobile4.screens.welcome.WelcomeActivity}
  + dump current screen, then pull: adb shell uiautomator dump / adb pull /sdcard/window\_dump.xml C:\Users\ulak\Desktop\dump2.xml
  + pm grant org.zwanoo.android.speedtest android.permission.ACCESS\_FINE\_LOCATION