**Understanding Tools and Utilities used for Appium Automation:**

1. **Android Studio:**

Android studio is an IDE used to develop Android apps. We are going to use Android Studio to create Virtual device(Emulator).

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A picture containing application

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A close-up of a cell phone

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**Android SDK:**

**We need following 2 utilities from Android SDK:**

1. **ADB(Android Debug Bridge):**

This file is available in Platform-Tools inside Android SDK folder.adb.exe is used for copying files from desktop to android device and from device to desktop. Also it is used for installing/uninstalling android application on device. We can also launch an application on device using adb.

Default path of Android SDK folder is : C:\Users\<UserName>\Appdata\Local\Android\Sdk

Check adb from command line

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**Add Path of adb in System Environment variables**

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1. **AAPT.exe:**

This exe is present in C:\Users\<UserName>\Appdata\Local\Android\Sdk\<Android API Version>

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**Adding environment variable “ANDROID\_HOME”**

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Run **adb devices** command in DOS

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**Download ERIBank apk:**

<https://code.google.com/archive/p/eribank/downloads>

Go to Settings->>About Emulated Device

Scroll down to see Build Number

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Tap/Click 7 times on Build Number to enable Developer options

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**Install ERI Bank application on device:**

1. Install android application on device

Start command prompt on machine and run following command:

adb install <path of apk file>

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**Extracting Package name and LaunchingActivity from application using aapt**

Run following command to extract package name and launch activity from EriBank.apk

aapt dump badging <Path of apk file>

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**Launch ERI Bank application on device:**

adb shell am start <Package name/LaunchActivity>

Run following command to launch ERI bank application on device:

**adb shell am start com.experitest.ExperiBank/com.experitest.ExperiBank.LoginActivity**

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**Uninstalling application from device**

Command: adb uninstall <Package Name>

For uninstalling ERI bank application , run following command:

**adb uninstall com.experitest.ExperiBank**

**Setting up Appium Script project:**

Create workspace

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Create Maven Project

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Create a class file

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Add Appium java-client dependency in pom.xml

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**Setup Appium Server**

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**Inspect Mobile elements**

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**Saving DesiredCapabilities**

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**Starting Inspect session**

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