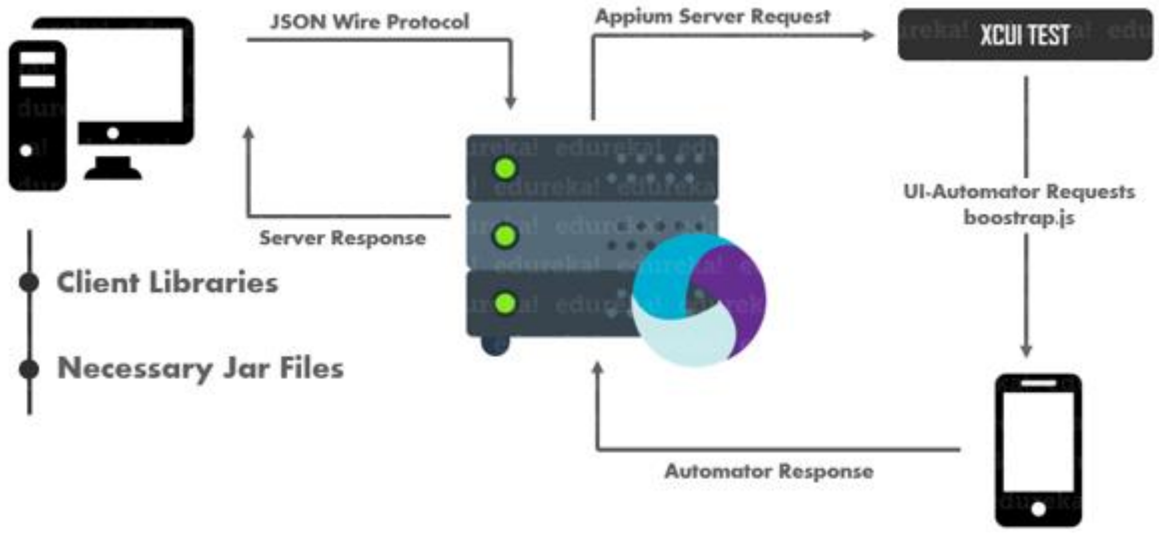
Installing and configuring
Device-GUI-test

Summary

I. Introduction

DEVICE-GUI-TEST is a solution using an open-source test automation Framework called **Appium** and **Python 3.7.4.** It's based on a script using the **WebDriver protoco**l introduced by the **Selenium Framework** to communicate with the local Appium HTTP Server. The script is filled with instructions to the Driver and the capabilities needed by Appium to target the device and the application we want to test.

We can easily describe the process by showing this diagram :

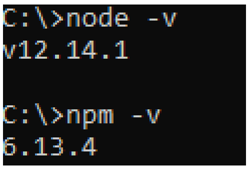


For further informations, I'm inviting you to visit the website of Appium and his documentation. If you want to learn Appium in few videos, you can check this playlist.

II. Installation and Configuration

Step 1 : Download Node.js and npm

Click here and follow the installer. The version of node.js needed is **12.14.1 LTS.** Once the process done, you can check the version of node.js and npm by typing this in your terminal :



```
C:\>node -v
v12.14.1

C:\>npm -v
6.13.4
```

Step 2 : Install Appium server and Appium client library

```
npm install -g appium
npm install -g appium-doctor
pip install Appium-Python-Client
pip install Image
pip install psutil
pip install subprocess
```

Step 3 : Clone the project

```
git clone http://srv-oxe-gitlab/budgetbox/connected-shopper/test/device-gui-test.git
```

Step 4 : Open carrefour_wd.py and configure capabilities to match the device

```
caps = {}
caps["platformName"] = "<OS_TYPE>"
caps["platformVersion"] = "<OS_VERSION>"
caps["deviceName"] = "<DEVICE_MODEL>"
caps["udid"] = "<UDID>"

caps["appPackage"] = "<PACKAGE>"
caps["appActivity"] = "<MAIN_ACTIVITY>"
```

You can find the **UDID** by typing `adb devices` in your terminal.

You can find the **PACKAGE** and the **MAIN_ACTIVITY** by typing this in your terminal

```
adb shell
dumpsys window windows | grep -E 'mCurrentFocus'
```

The result will display `Focus=Window{3177216b u0 <PACKAGE>/<MAIN_ACTIVITY>}`

Step 5 : Launch the the test session

Just type `python <file>.py` in your terminal .