Kick Start Python Appium Test Automation

By Kushan Amarasiri

1. Download and install Android SDK, add the platform-tools and tools folders to environment path - https://developer.android.com/studio
2. Install PyCharm IDE - https://www.jetbrains.com/pycharm/
3. Install NodeJS –
4. Install Appium via NPM in command prompt - npm install -g Appium
5. Start Appium server – appium –a 127.0.0.1
6. Install appium python package via the Terminal window of PyCharm - pip install Appium-Python-Client
7. Plug your real device and type adb devices, get the device ID
8. Add the following code and run the code.

```python
import os
import unittest
from time import sleep
from appium import webdriver


class ContactAppTestAppium(unittest.TestCase):

    def setUp(self):
        desired_caps = {}
        desired_caps['platformName'] = 'Android'
        desired_caps['platformVersion'] = ''
        desired_caps['deviceName'] = 'AVY9KA9631900412'
        desired_caps['appPackage'] = 'com.experitest.ExperiBank'
        desired_caps['appActivity'] = '.LoginActivity'

        self.driver = webdriver.Remote('http://127.0.0.1:4723/wd/hub', desired_caps)


    def tearDown(self):
        "Tear down the test"
        self.driver.quit()


    def test_single_player_mode(self):
        "Test the Chess app launches correctly and click on Play button"
        elementUserName = self.driver.find_element_by_id("com.experitest.ExperiBank:id/usernameTextField")
        elementUserName.send_keys("company")
        elementUserPassword = self.driver.find_element_by_id("com.experitest.ExperiBank:id/passwordTextField")
        elementUserPassword.send_keys("company")
        elementLoginBtn = self.driver.find_element_by_id("com.experitest.ExperiBank:id/loginButton")
        elementLoginBtn.click()

        sleep(5)
```