Appium Documention

App with selenium = Appium

Appium Setup for Andriod and iOS

<https://www.linkedin.com/pulse/appium-ver-171-setup-mac-os-sierra-ios-real-device-suraj-salunkhe/>

Use Java scripts rather than touch actions as they are not supporting from IOS 10.3. But in android it will work

Native : Propriotory(Messages)

TestObjects and SAS Labs, Amazon form

XCUITest

.ipa and .app files

Macaca inspector

To generate .app files:

DOnt use .click, use .tap

<http://automationtesting.in/execute-multiple-xml-files-testng/>

<http://blog.teamtreehouse.com/install-node-js-npm-mac>

<https://www.youtube.com/results?search_query=An+unknown+server-side+error+occurred+while+processing+the+command.+Original+error%3A+Unable+to+launch+WebDriverAgent+because+of+xcodebuild+failure>

Appium version : appium-desktop-1.2.7-mac.dmg

Appium version used : 1.7.1

{

  "platformName": "IOS",

  "automationName": "XCUITest",

  "deviceName": "iPhone 8 Plus",

  "app": "/Users/sshankarappa/Desktop/IOS-EDS-New/EDS Cockpit-qa.app"

}

Appium Xcode

Open the project, click on Edscockpit.xcworkspace file, it will open the Xcode

First we need to build the app in the sense click on run button, it will open the iPhone

Select the project and click on run, it will open the app in mentioned iPhone

After 9.3, iOS version, we have XCUITest will be used.

Start the Appium server

Click on search icon,

Select automatic servers

Enter desired capabilities

Save it

<https://appium.readthedocs.io/en/stable/en/writing-running-appium/touch-actions/>

Other method where we cannot find page elements :

Like(Popups) back, login, bookofwork, cancel etc

Go to xcode,

Xcode->Open Developer Tool->Accessibility Inspector

Click on focus icon and focus where ever its needed.

Data in label section can be taken as By.name(“data”);

If we get exception like Facebook:

It is due to compatibility phone compatibility issue

Generate app for phone specific and run it through that phone, it helps

curl -u mobile-app:5c9bc2c4-bf8a-4c34-bcf8-b1bce943be08 -X POST -H "Content-Type: application/octet-stream" <https://saucelabs.com/rest/v1/storage/mobile-app/edscockpit-qa123_filterworking1.app.zip?overwrite=true> --data-binary @/Users/sshankarappa/Desktop/sprint 123/edscockpit-qa123\_filterworking.app.zip

curl -u mobile-app:5c9bc2c4-bf8a-4c34-bcf8-b1bce943be08 -X POST -H "Content-Type: application/octet-stream" <https://saucelabs.com/rest/v1/storage/mobile-app/EDSCockpit.app.zip?overwrite=true> --data-binary @/Users/sshankarappa/Desktop/Sprint128-2-April/EDSCockpit.app.zip

curl -u ahameed:ccffbc8b-ef98-4c2f-b945-711d8daf63de -X POST -H "Content-Type: application/octet-stream" <https://saucelabs.com/rest/v1/storage/ahameed/edscockpit.app.zip?overwrite=true> --data-binary @/Users/vvasu/Library/Developer/Xcode/DerivedData/edscockpit-clfduvnyeyvvyyafkesovuvilizw/Build/Products/Debug-iphonesimulator/EDS\_Cockpit.app.zip

If pod file.lock is exist in the folder of the code, remove the same and follow below steps

When ever we are downloading the code from GitHub, we have to install POD, as in Media, we are using third party resources, so we need to install POD(Plain Old Documentation which is written in shell script)

Initially for the first time per machine :

We should install with the command ———                sudo gem install cocoapods

Other times, navigate to particular folder where our code exists, install pod

Pod install

POD chart version is 3.0.4,

If we get any error, we should change the same.

—— Good to use now ———

App automation using selenium  -  Appium

Advantages:

Open Source

Can do user acceptance testing

Disadvantages of Appium :

Versions are not stable

As of now we are using 1.7.1 appium version

Developer support is not there(24\*7, support is not there)

Initial setup will take more time

<https://stackoverflow.com/questions/28363221/advantages-and-disadvantages-of-appium>

Native App :

App which is written in

Android - Java, android SDK’s

IOS - Swift language, Objective C

Hybrid App :

HTML - Structure of the page

CSS - Styles, color codes, border

JS

Phone GAP(One of the famous IDE) is the IDE, where they will use to design an Application in IOS for web application

For native, Xcode

Hybrid app, will work with the help of internet connection

Difference between native and hybrid application

1. Language we are using native and hybrid
2. Internet connection is not always required in native app, but must needed for Hybrid (Navigate to web or 3rd party application)

Native Apps has 2 types

Proprieteriship and Thirdparty application

Proprieteriship - Message, Call

Thirdparty application - Developed by third party people

If we get the access in IOS, then only we can automate application

As our applications are in development phase, we can easily moveahead, as access is enabled

If we wanted to automate other apps in IOS, may be we can use developed ID and automate the same

(Check Once)

How to run the application in real devices in both IOS and Android devices

Architecture of Appium :

IDE(POM)

Appium Libraries(Jars) —(JSON)— Appim server ——  View (Android :UI Automator)  — Devices

(Triggering Point)

Architecture in Appium

Why JSON is used in Appium server?

App package : Package of the whole application

App Activity : When we open an application, which page has to come first(We need to select mail activity)

APK info - will list all the apps the device.

If we wanted to get the app details, we can long press and get the data

Inspectors :

1. UI Automator Viewer —  Native (Android)
2. Appium Inspector — Native (Android and iOS)
3. Chrome Browser — (Hybrid / Mobile Web).          ————— Chrome://Inspect
4. Maccacaw Inspector. —— Native (Android and iOS)
5. Accesibility Inspector —Only for iOS,  (Native for sure)Check where we can use this inspector

3 Types of mobile apps

1. Native app :