**Simulator Installation in Mac**

**Step 1:** Install homebrew from Link: <https://brew.sh/>

/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

**Step2:** Install node and npm

Command to install node: brew install node [This will install npm as well]

Command to check node installation path: where node or which node

Commands to check version of node and npm

node -v

npm -v

**Step3:** Install Appium server using NPM (Appium CLI)

Command to install Appium: npm install –g appium

Command to check Appium version: appium -v

Command to check Appium installation path: where appium or which Appium

**Step4:** Install Appium server using Appium Desktop client

Download link: https://appium.io

Install Appium Inspector

* Download and install from https://github.com/appium/appium-inspector/releases

**Step5:** Install Xcode

Configure Apple ID in Account preferences

Install from App Store

**Step6:** Install Xcode command line tools

1. Command: xcode-select --install

2. Install xcpretty [to make Xcode output reasonable]

3. Command to install xcpretty: gem install xcpretty or sudo gem install xcpretty

4.Install Carthage [dependency manager, required for WebDriverAgent]

Command to install Carthage: brew install Carthage

5.Install Appium-doctor and check Appium setup

Command to install Appium doctor: npm install -g appium-doctor

Command to get help: appium-doctor --h

Command to check setup for iOS: appium-doctor --ios

6. Start session with any app using Appium Desktop/Appium CLI

Command to get UDID: xcrun simctl list

Command to get UDID: xcrun xctrace list devices

XCode option to get UDID: XCode -> Window -> Devices and Simulators -> Simulators -> Select the simulator in the left pane. In the right pane, "Identifier" will be the UDID.

7. Desired capabilities to launch the app in simulator

{

"platformName": "iOS",

"appium:deviceName": "iPhone 11",

"appium:automationName": "XCUITest",

"appium:udid": "98E96DF6-5460-4850-8432-9FA6900B723F",

"app":"/Users/administrator/Downloads/ iphonesimulator.app"

}