**List of softwares needed to install app automation tool**

Below is the list of all softwares needed in order to install and setup App mobile automation.

1. Appium Desktop
2. IDE- IntelliJ
3. Maven
4. Java
5. Android studio
6. Xcode

How to Install:

Steps:

1. Install home brew by command terminal on Mac

ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

To check if home brew is installed or not - Type ‘brew’ in Terminal it will show the options

1. JAVA Setup on Mac:

Using SDKMAN: Type below command on terminal of Mac

1. curl -s "https://get.sdkman.io" | bash

2. Check if above command ran successfully or not:

Sdk help (open new terminal and enter this command)

3. Run command: source "$HOME/.sdkman/bin/sdkman-init.sh"

4. Check the version to be installed by entering below command on terminal:

sdk version

sdk list java (check available java version)

sdk install java 14.0.2-zulu (enter the version and install through terminal)

Verify the Java version installed:

Check java version: java -version

1. Intellij Set Up on Mac

Below is the reference link to install intelliJ

<https://www.jetbrains.com/idea/download/#section=mac>

Once downloaded move to applications folder under Mac

1. Install maven using brew: Enter below command in terminal

brew install maven

Check version installed: mvn -version

1. Download Appium desktop .dmg file from below link

<https://github.com/appium/appium-desktop/releases/tag/v1.18.2>

Move .dmg file to applications folder by dragging under Mac

1. Download and install android studio : refer below link

<https://developer.android.com/studio?gclid=Cj0KCQiA5vb-BRCRARIsAJBKc6JFEoVfCZ-dKDtlwZI_72VG7OyttJuJZicttEkqNOkY8-ScSbJ3F_kaAuefEALw_wcB&gclsrc=aw.ds>

Drag the downloaded file to Applications folder in MAC

1. Install and download Xcode from Apple app store

Search and get install

1. Check Git is installed or not in command line

Enter git

**How to Setup ~/.bash\_profile and ~/.zshrc**

**Below is the keypoints on which we need to work**

Add Java home

Add maven home

Add Npm home

1. Open Terminal enter
2. whoami
3. Which maven

/usr/local/bin/mvn

1. Which java

/Users/user/.sdkman/candidates/java/current/bin/java

1. env | grep M2\_HOME
2. cd /usr/local/bin/
3. vi ~/.bash\_profile
4. Press shift +i

Now amend the copied path in the below Java\_home and Mr\_Home

#set JAVA\_HOME

JAVA\_HOME=/Users/user/.sdkman/candidates/java/current/bin/java

export JAVA\_HOME

M2\_HOME=/usr/local/bin/mvn

export M2\_HOME

PATH=$PATH:$JAVA\_HOME/bin:$M2\_HOME/bin

export PATH

1. Save and close : :qw
2. Enter Source ~/.bash\_profile

**How To Set up /Export project from a Git Repo**

1. First check whether your have git or not

Enter below command under terminal

Git

1. Now create a workspace

Mkdir Workspace

1. Cd WorkSpace/
2. Ls (It should be empty)
3. Git clone https://github.com/ashutoshsaxena06/DETestEngine.gi

Above path you have to take from someones repository

1. Ls (This time you should see the project name which you cloned)

For me it is DETestEngine

1. Cd DETestEngine/
2. Ls (will show all the directories / files)
3. Git pull

It will show you if you have any changes which needs to be pulled from the server repo

Otherwise it will say “Already up to date.”