**Katalon Studio – Mobile testing:**

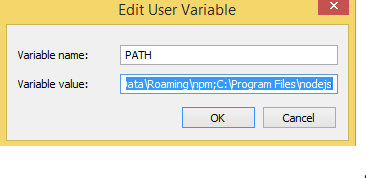
**1.Install katalon**:

First create account and the click on download button (<https://www.katalon.com/account/>) and extract zip .

Unzip on file from your machine

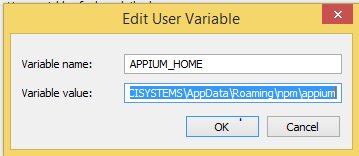
**2.Install Node js :**

* Check if Node.js is already installed open command prompt using following comment **“node -v (or) node –version (or) npm -v npm –version”**
* Download and install Node.js [https://nodejs.org/en/download/](https://www.youtube.com/redirect?v=qsFXyUNiQFg&event=video_description&redir_token=veHzbhTd78_-0LhEqOmcuhpdXv58MTUyODc3ODk5MUAxNTI4NjkyNTkx&q=https%3A%2F%2Fnodejs.org%2Fen%2Fdownload%2F) check node.js installed by running the above command node –v npm –v
* Check node path in your machine “where node” or “where npm”
* Setup the environment variable path. Click on edit user variable
* Click it then go to Environment variable.
* Click Path, enter you npm path” C:\Users\hemalatha.b\AppData\Roaming\npm;C:\Program Files\NodeJS”

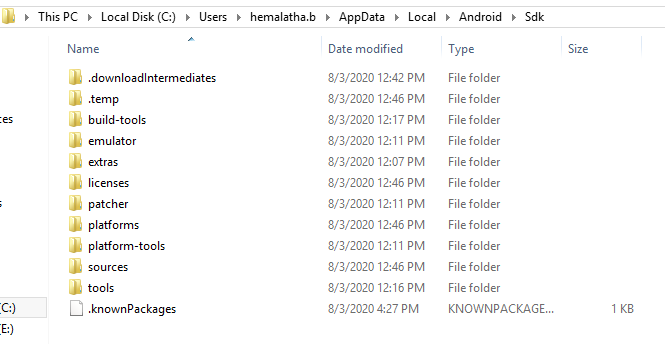


**3.Install Appium :**

* Make sure that first java installed on your machine. If answer is ‘no’ first install java
* How will you install JDK. For this you can use this link(http://www.oracle.com/technetwork/java/javase/downloads/index.html) and download the .exe file from this.
* To verify like, is java installed correctly on the systems as follows-->using command prompt enter following comment **“java -v” or “java -version”**
* **“Where java” ->** show the java path
* Setup environment variable path from “**JAVA\_HOME**” like “C:\Program Files\Java\jdk1.8.0\_211” and set the “Path” for system variable like “C:\Program Files\Java\jdk1.8.0\_211\bin”.
* Next step install the Appium in your machine.Using following comment in command prompt “**npm install -g** [**appium@version**”.once](mailto:appium@version”.once) installation finished.
* To verify like Appium is installed correctly on the systems as follows-->using command prompt enter following comment”**Appium -v**”
* To Check the Appium path “where appium”
* Setup environment variable path from “**APPIUM\_HOME**” like “C:\Users\Administrator.ZUCISYSTEMS\AppData\Roaming\npm\appium”



* Next step install or download Android Sdk. From <https://developer.android.com/studion> the download the zip studio file.
* Unzip the file(**android-studio-ide-192.6308749-windows.zip)**
* **Running the studio64 file inside path like “**android-studio-ide-192.6308749-windows\android-studio\bin”
* You can see the folder like “C:\Users\hemalatha.b\AppData\Local\Android\Sdk”



**Set Environment variable** :

* “C:\Users\hemalatha.b\AppData\Local\Android\Sdk” path from system variable
* “C:\Users\hemalatha.b\AppData\Local\Android\Sdk\build-tools” or “% **ANDROID\_HOME%\** platform-tools”
* “C:\Users\hemalatha.b\AppData\Local\Android\Sdk\tools” or “% **ANDROID\_HOME%\** tools”

**Mobile to Katalon Connection:**

1.First of all, you have to make sure that on the “Developer Options”. Followed that enables “USB debugging” on your mobile device

2.Connect USB --> Allow usb connection permission on your mobile phone

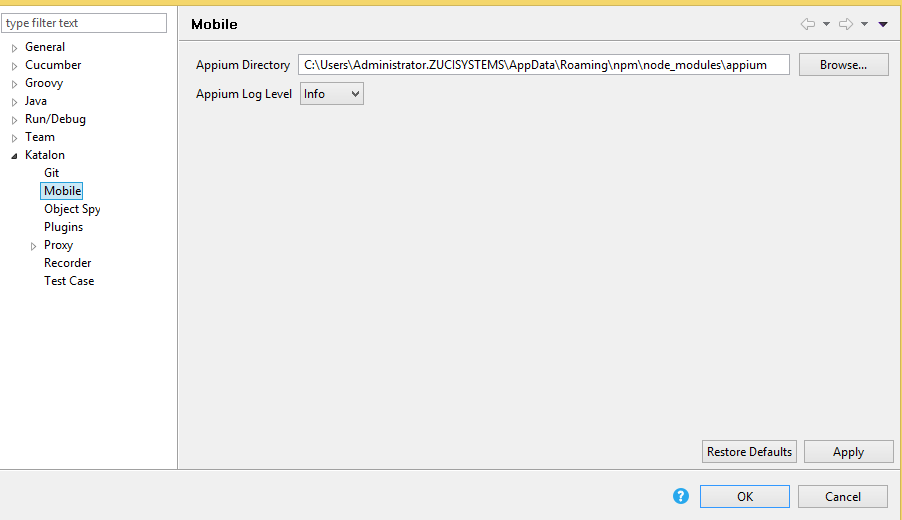
3.Take your devices go to about phone click on Build number seven times get the developer option click on it enable USB Debugging mode

4.To verify the your devices connected or not using following command in cmd->”adb devices”

5.If your is connected you see the **connected device name with UDID**. Another than if your devices not connected just show like “List of devices attached”.

6.After successfully connection

7.Go to katalon studio click on --> katalon studio preferences -->Mobile ->Appium directory

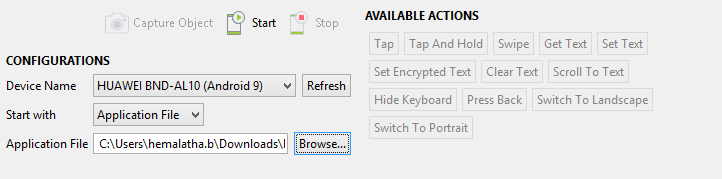


8.After that click on recording button -->Android devices ->see the popup

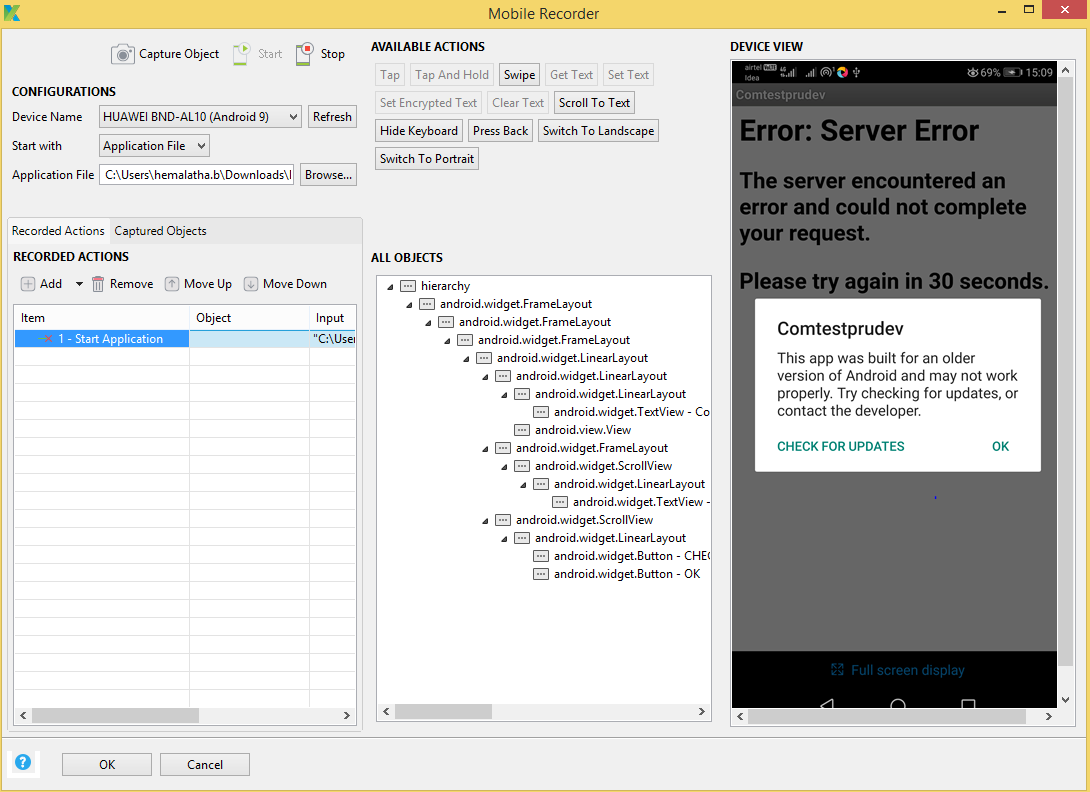
In Configuration your device name automatically mapped into the Device Name

Start with : Application File/Application id

Application File : set your .apk file path



After that click on start button your application should show the all objects.



Should view available action

Tap : click on button

Get Text : get value from your app

Set Text : Enter value from input field

Scroll To Text : scroll to particular element

Press Back : Back to page

Recorded Action : Action should be inserted

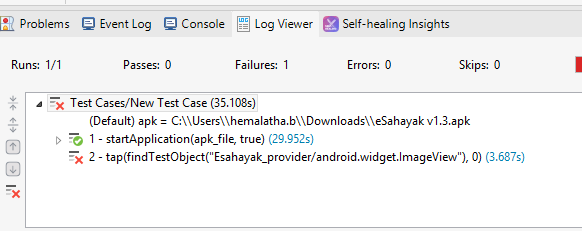
Captured object : you can locator like xpath,id,class name you can generated

Click ok button . object should inserted into Object Repository then move into the testcase

Run testcase-> click on run button select Android in the dropdown action

**View Result :**

Testcase Run successfully you should view result in Log viewer



**Reference link :**

1.<https://docs.katalon.com/katalon-studio/videos/intro_mobile_app_testing.html>

2. <http://blogs.quovantis.com/appium-basics-part-1-pre-requisites-and-setting-up-your-appium-environment-for-windows/>

3. <https://medium.com/katalon-studio/setting-up-mobile-automation-project-in-windows-c6f5366f0905>