mCraft 2.O Mobile Automation Framework – Handbook
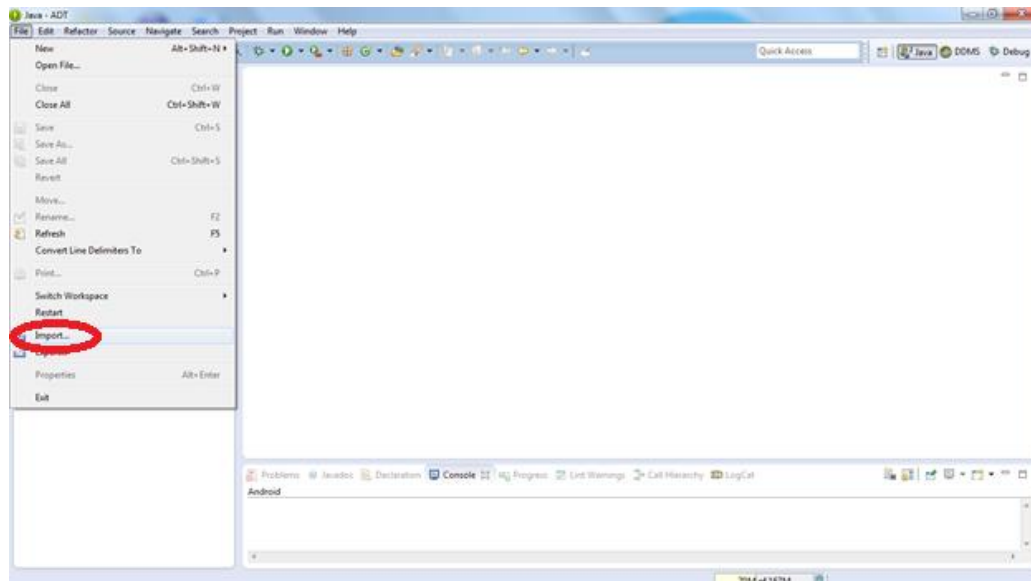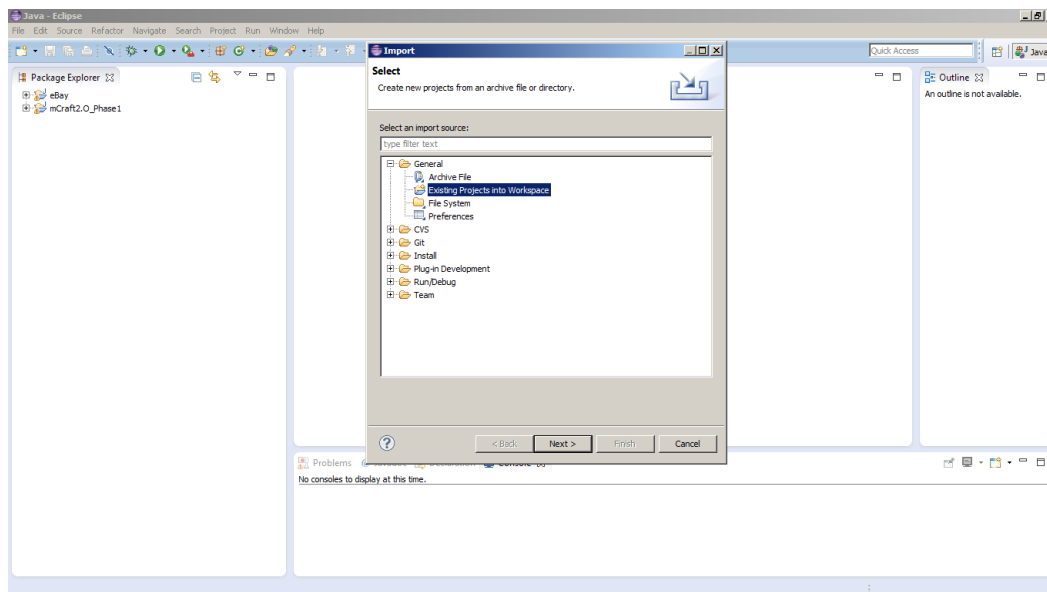
Mobile Testing CoE

12/29/2014

Steps to configure mCraft

1. Download the shared mCraft 2.O framework; extract the zipped folder save it in your local desktop.
2. Launch Eclipse
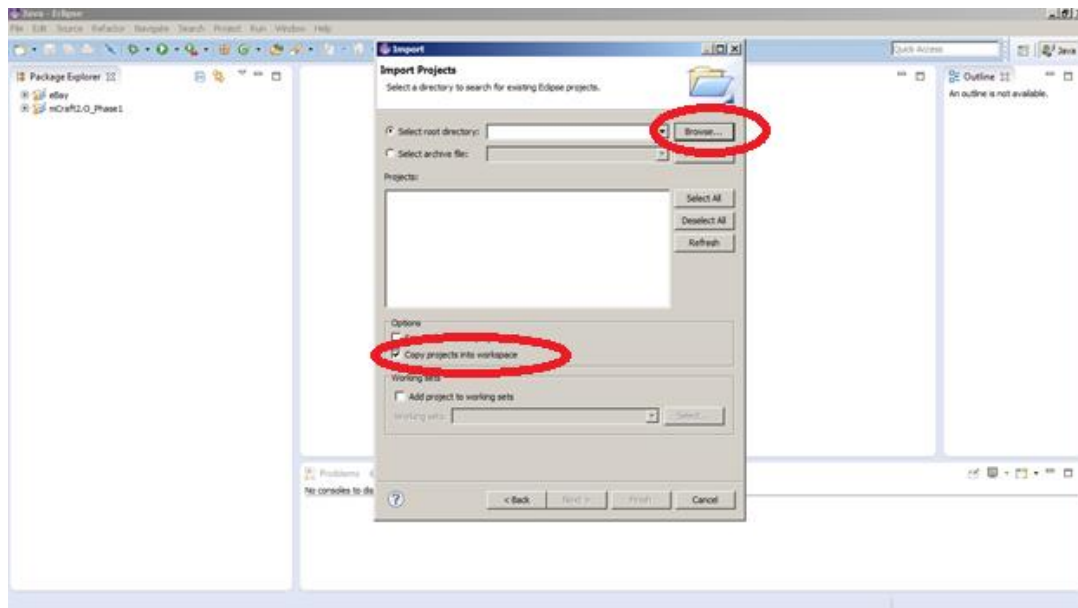3. To import the mCraft 2.O framework, click on File->Import

4. Select the General list, and select Existing Projects into Workspace and then click Next
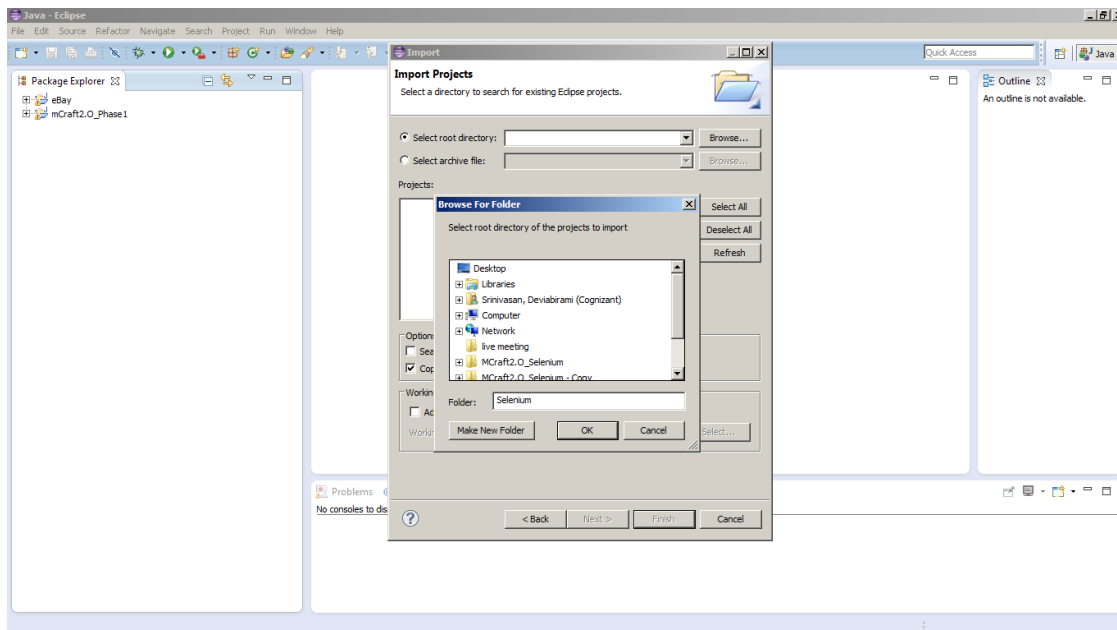
5. Select the Radio button, "Select Root Directory" and select the checkbox, Copy projects in to workspace. This will copy the project workspace in your local. You can select the path for saving the workspace in your desktop when you launch the Eclipse.
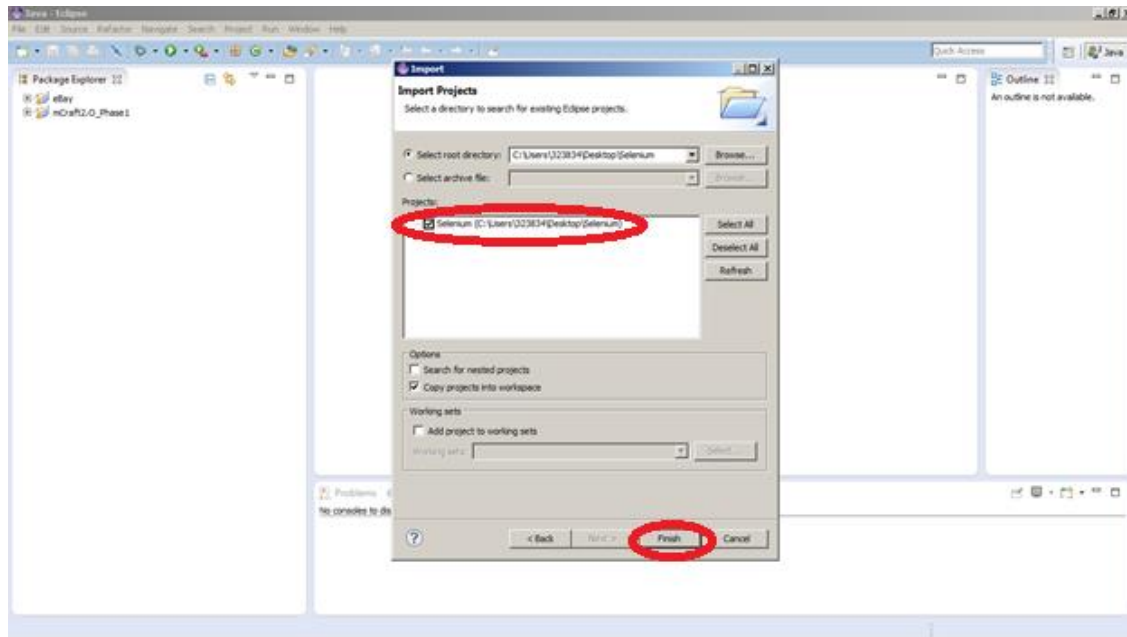

6. Browse for the root directory of the mCraft 2.O framework folder and click Ok.
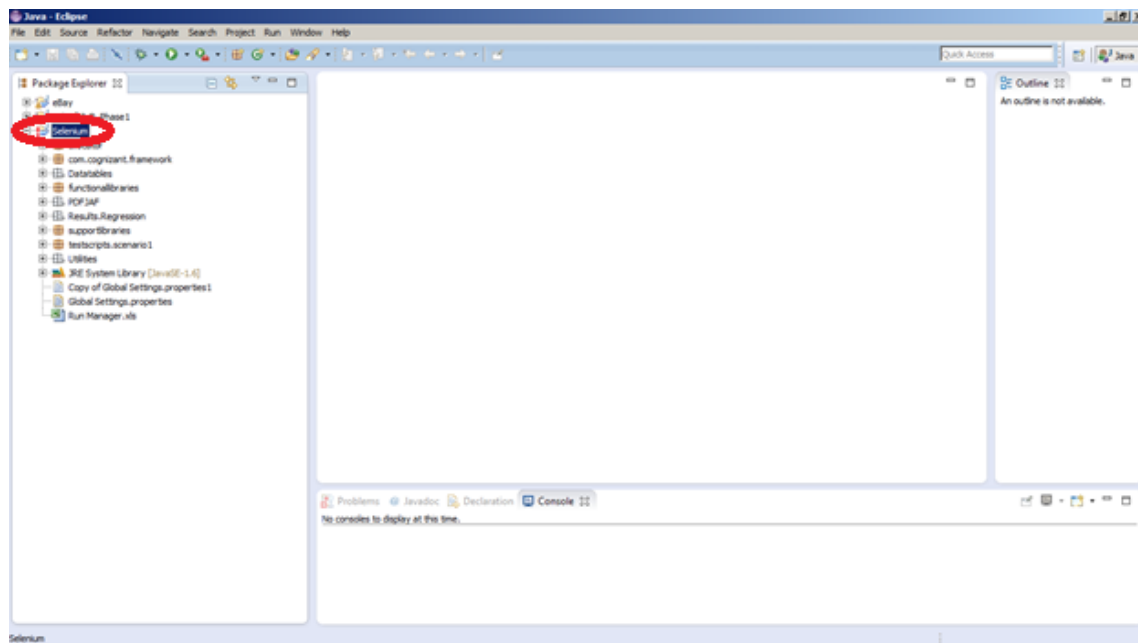
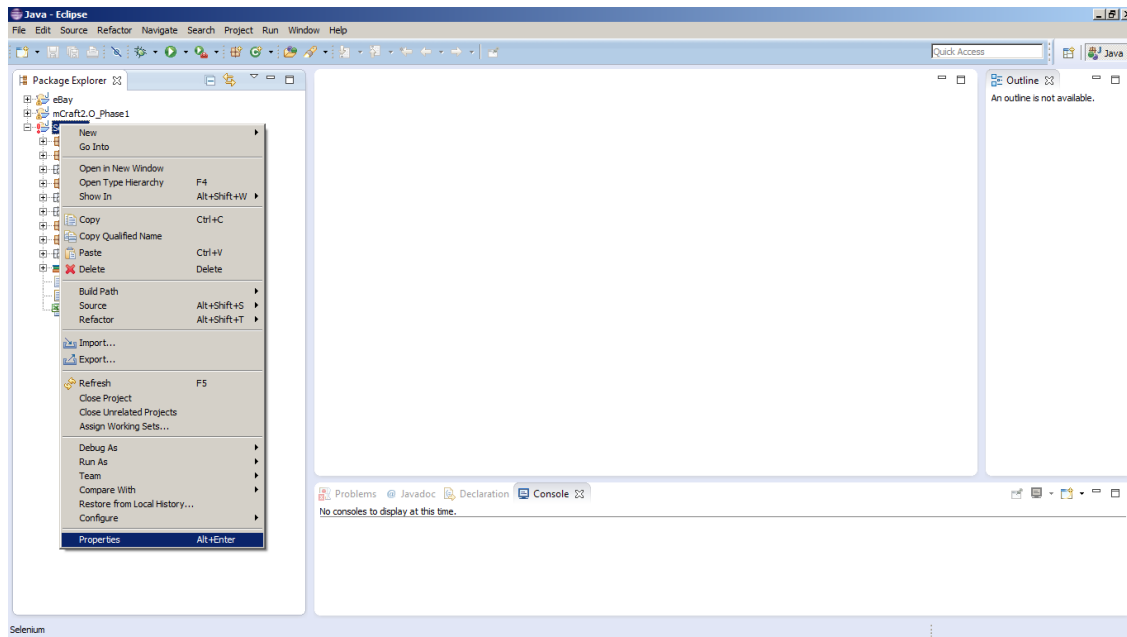7. Now the root directory is selected and also checks the Projects checkbox and click Finish

8. Now the framework is imported in the project named Selenium. If you want to rename the project name, Right click and select Refractor. Select Rename and enter the project name.
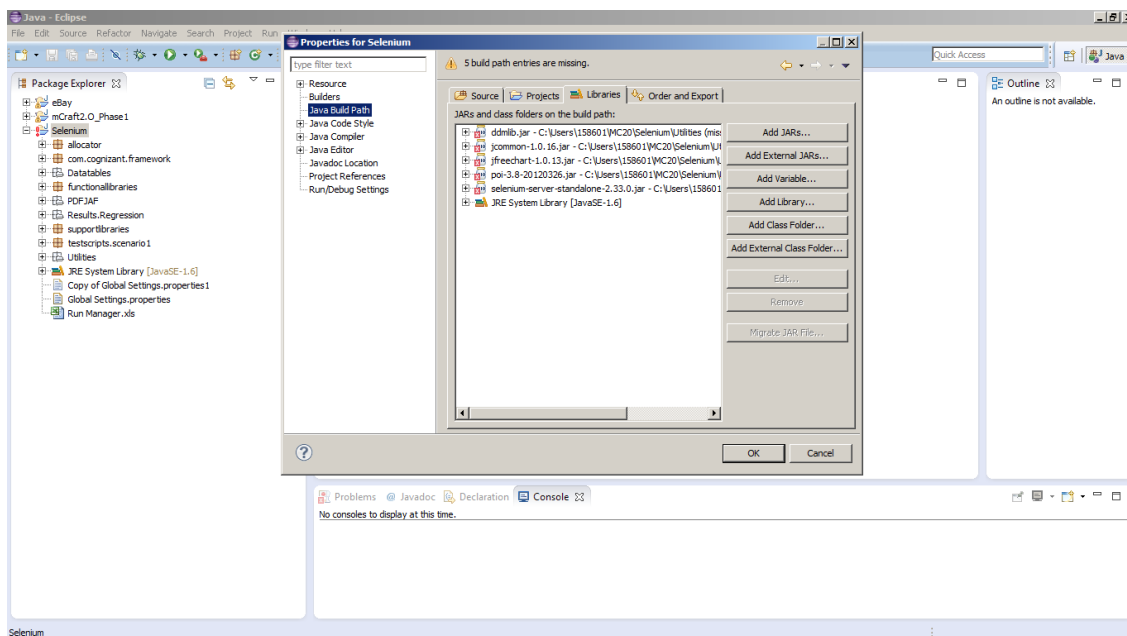
9. The imported project is prefixed with (**!**) in the project root folder. This is occurred because of the mismatched external jars. Right click the root folder and select **Properties**.
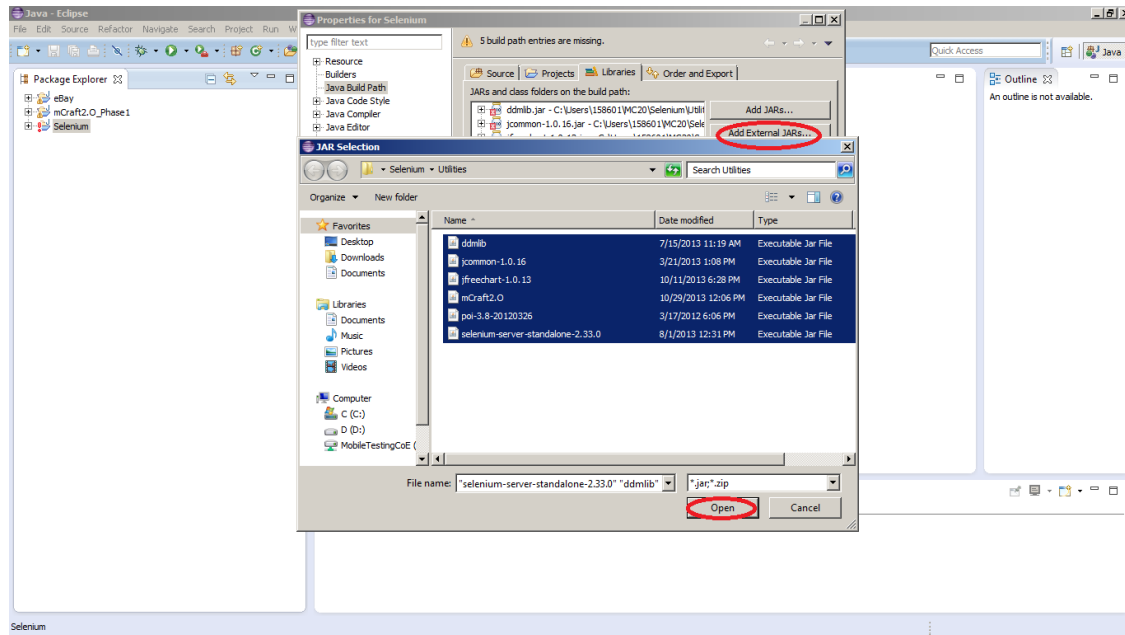

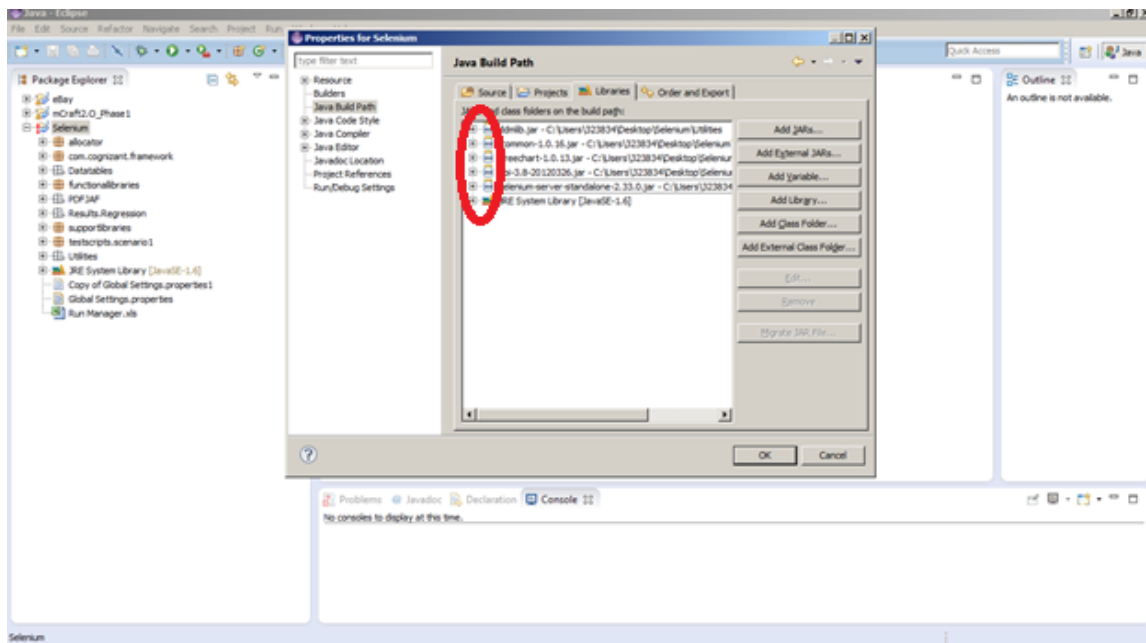10. Select Java Build Path tab in the left pane, and delete the jars which has (**!**) symbol.

11. Click on **Add External JARs** button to add the jar files from **Utilities** folder in the mCraft 2.O framework and click **Open**.
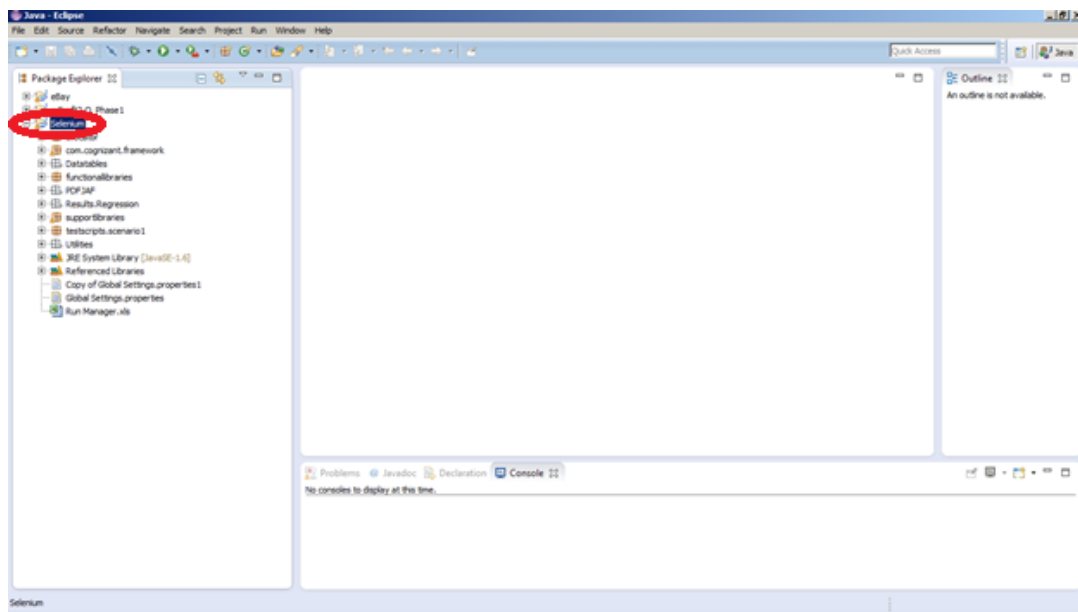

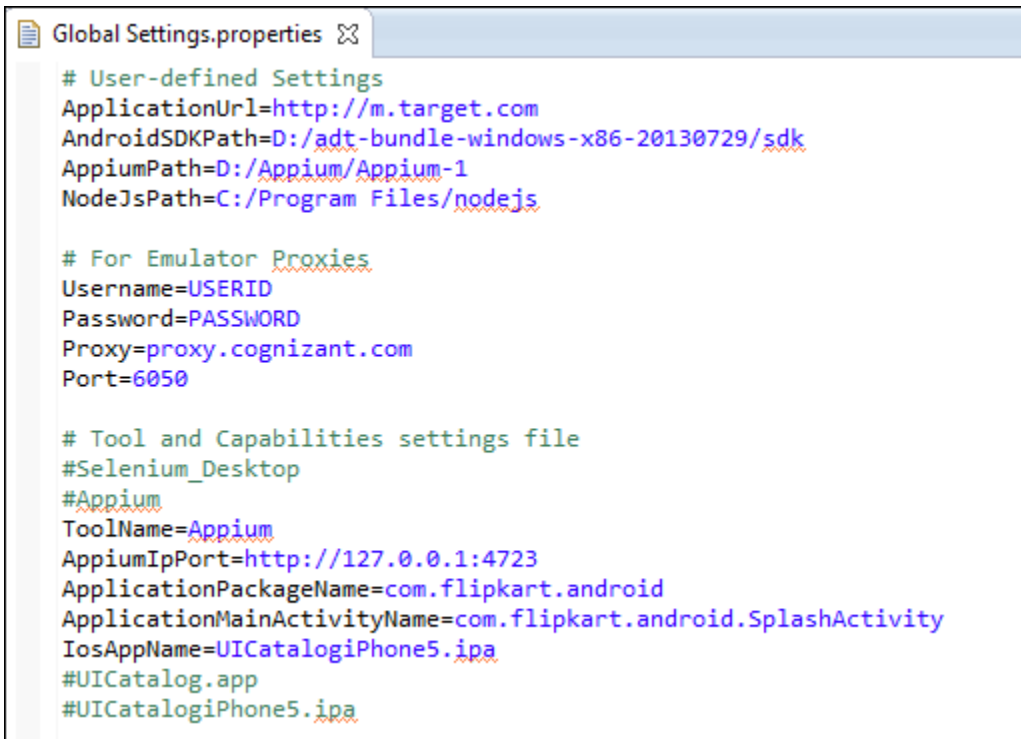**12.** Now the jar files are added and (**!**) are removed and click OK.

13. Now the symbol (**!**) is removed from the Project Root folder and the script is ready for execution.

Steps to configure Appium:

14. Download and install the Appium for your Windows/MAC machine
15. Open the *GlobalSettings.properties* file from the mCraft framework and set the following configurations.

- ApplicationURL – URL of the web application to be tested if any
- AndroidSDKPath – Location of the Android SDK
- AppiumPath – Location of Appium
- NodeJsPath – Location of Node.js
- ToolName – Name of the tool- "Appium", for mobile automations and "Selenium_Desktop", for desktop web automation
- AppiumIpPort – IP and Port of the Appium server
- ApplicationPackageName – Package name of the android application if any
- ApplicationMainActivityName – Main Activity name of the android application if any
- IosAppName – iOS application name if any (the given application has to be copied to the .../mCraft2.0_Appium/Utilities folder location)

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Global Settings.properties ⊠

# User-defined Settings
ApplicationUrl=http://m.target.com
AndroidSDKPath=D:/adt-bundle-windows-x86-20130729/sdk
AppiumPath=D:/Appium/Appium-1
NodeJsPath=C:/Program Files/nodejs

# For Emulator Proxies
Username=USERID
Password=PASSWORD
Proxy=proxy.cognizant.com
Port=6050

# Tool and Capabilities settings file
#Selenium_Desktop
#Appium
ToolName=Appium
AppiumIpPort=http://127.0.0.1:4723
ApplicationPackageName=com.flipkart.android
ApplicationMainActivityName=com.flipkart.android.SplashActivity
IosAppName=UICatalogiPhone5.ipa
#UICatalog.app
#UICatalogiPhone5.ipa
```