

This guide provides full instructions on how to set up the selenium java framework on your local machine.

Software Requirements :

The following software needs to be installed.

1. Java
2. Maven
3. IntelliJ or Eclipse
4. Git
5. SoapUI 5.1.3
6. NotePad ++
7. Required drivers (Chrome, firefox, ie...)
8. Settings.xml file

Java Setup :

Download java 1.8 form here <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> and install it in the program files in your c drive.

Path to install : C:\Program Files\

Maven Setup :

Download maven form here <https://maven.apache.org/download.cgi> and install it in the C:\Program Files\

Note : Download the apache-maven-3.5.3-bin.zip

Note : If you can't download the dependencies please copy the dependencies from the following folder (DevData\$(\HOSFIXITY)\IT Service Design\Software Development - New Markets\1. Projects\2017\CR1292 - Further Lending Eligibility\chi\respository). Unzip the folder and copy that to this folder (C:\Users\username\.m2)

Configure maven and java in the Environmental Variables :

Add JAVA_HOME and MAVEN_HOME variables to the system environmental variables.

Add JAVA_HOME :

Edit the environmental variables and add JAVA_HOME with the path C:\Program Files\Java\jre1.8.0_161

Add MAVEN_HOME :

Edit the environmental variables and add MAVEN_HOME with the path C:\Program Files\apache-maven-3.5.3

Follow the setup instructions specified in here <https://www.mkyong.com/maven/how-to-install-maven-in-windows/>

Once the setup is done open the terminal and run java -version and maven -version commands weather the java and maven are properly installed.

Now in your .m2 folder(C:\Users<username>) add the settings.xml file which you can copy from the shared drive.

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Setup the development environment IntelliJ IDEA or Eclipse

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Download the IntelliJ Community Edition form here
: <https://www.jetbrains.com/idea/download/#section=windows>

Download theEclipse Edition form here : <https://www.eclipse.org/downloads/>

Install the SoapUI 5.4.0 :

You install the soapui form the shared drive (DevData\$(\HOSFIXITY)\IT Service Design\temp_gc) or you can also download the older 5.4.0 version of soapui form here <https://www.soapui.org/downloads/soapui/soapui-os-older-versions.html>

Setup Git :

Install Git from here <https://git-scm.com/downloads>

Once the git is installed clone the project from here <http://it500764:82/Bonobo.Git.Server/Home/LogOn?ReturnUrl=%2FBonobo.Git.Server%2F>

Local machine setup :

1. Now copy the Hub and Node folders form (DevData\$(\HOSFIXITY)\IT Service Design\Software Development - New Markets\1. Projects\2017\CR1292 - Further Lending Eligibility\chi) and paste it in C folder.
2. After copying the folders we need to edit the start_node.252 form Node folder and start_hub.252 form Hub folder to add the path for the selenium standalone server jar file (add this C:\soapuilib to the jar path).

3. You need to copy the settings xml file from the following folder in G drive(DevData\$(\HOSFIXITY)\IT Service Design\Software Development - New Markets\1. Projects\2017\CR1292 - Further Lending Eligibility\chi).
4. Once all the setup is done to before running the tests locally we need to run start_hub.252 form Hub folder first and then run start_node.252 form Node folder. After this you can run selenium tests on your machine.

Jenkins setup :

We need to follow the below steps only if you login with your credentials in Jenkins box.

To set up the user in Jenkins follow the blow steps :

1. Connect to the jenkins box throught the remote desktop connection.
2. Got to ---> Services ---> right click on jenkins ---> click on properties ---> go to the logon tab and change your credentials and save.
3. Go to the path Jenkins C:\Program Files (x86)\Jenkins\settings ---> edit the settings xml file ---> changes your credentials and save the file.
4. In the projectSatsumaMaven edit the soapui-settings.xml file and change your username and password credentials.
5. now push you xml changes to the remote repository.

Note : If you can't login to Jenkins box request the RDP access with 2042.

Test Architecture :

automation :

This package consists of the tests and the helper methods required for the tests.

basetests :

This package consists of different tests related to B2C, experian mock off, call credit mocks off tests, browser initialization tests, etc..

****Note: **** The BrowserTest is the file where the browser initialization logic is written.

dao :

This package consists of data access object which is used to handle customer type, detials and experian agreement details.

listeners :

This package consists of listeners for retrying the tests when failed and for taking screenshot when test failed.

rules :

This package consists of logic for the taking screenshot when a test step failed.

satsuma.pages :

This package consists of page objects and the methods related to the each page.

tests :

This package consists of actual tests for B2C, B2B, Smart Check, Outbound Sales, mobile tests, etc...

tools :

This package consists of helper methods for all the 3rd party services(i.e : Entity Hub Helper, Test Shed Database helper, Rest Helper, Zoral Helper, Experian Helper, offer service helper, etc...)

resources :

This package consists of drivers, config files and settings file to run the SOAPUI tests through the test runner.

TestNG .xml files :

All the .xml file are the files which are been configured with the tests that needs to run as part of that file. All the Jenkins jobs are been configured to the specified xml files. These files are been configured with test methods, parallel testing, number of thread for parallel test running.

pom.xml :

This pom is the dependency manager. It takes care of all the dependencies (jars) required to run this java project.