Selenium Setup for Windows

1. **Download and install Java JDK**   
   Download Windows x64 bit if you have a 64 bit machine  
   I’m using JDK 8u152 Java Version 1.8.0\_152

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

1. **Set up Java System Variable**Right mouse click on My Computer /Select Advanced System Settings/Select Environment Variables/Select New System Variable

Create JAVA\_HOME system variable.

Set it to path of your Java JDK C:\Program Files\Java\jdk1.8.0\_152

**NOTE:** **Be careful not to erase anything in the Path system variable.**

In the same environment variables screen, carefully edit the Path System Variable’s value and paste to the back of the value field the following:

;%JAVA\_HOME%\bin

Make sure to put a semicolon to end the last value and to append the new JAVA\_HOME value.

1. **Download the VZFL project from github**<https://github.com/angeetongCOMTECH/VZFL>

Click on clone or download>Download zip file

1. **Download Eclipse IDE 64bit for Java Developers**<https://eclipse.org/downloads>

Create local folder C:\EclipseProjects

Unzip the VZFL project into C:\EclipseProjects and rename the VZFL project folder to FamilyLocator

Open Eclipse and Select File Import>Existing Projects into Workspace>Select Next>Browse to FamilyLocator project folder

Select Project>Then continue next and finish

1. **Install TestNG**Go to Eclipse Help menu, click “Install New Software”  
   You will see a dialog window, click “Add” button

Type name “TestNG” and type <http://beust.com/eclipse>” as location

Click Add. Give it a name TestNG and type in value as the url. Click OK.

Select it to install and finish.

1. **Set up Selenium Webdriver/Configure Build Path**-Go to Eclipse and right mouse click on project>Select Build Path>Select Configure Build Path>Select Add External JARs>

Select all the jars in the C:\EclipseProjects\FamilyLocator\required setup files\selenium-java-3.6.0 and in the libs folder

-Go to Eclipse and right mouse click on project>Select Build Path>Add Library>JRE System Library>Select Next>Select Workspace default JRE (jre1.8.0\_152)

- Go to Eclipse and right mouse click on project>Select Build Path>Select Configure Build Path>Select Add External JARs>

Select all the jars in C:\EclipseProjects\FamilyLocator\required setup files\apache-log4j-2.9.1-bin and not the not to use subfolder

-- Go to Eclipse and right mouse click on project>Select Build Path>Select Configure Build Path>Select Add External JARs>  
Select all the jars in C:\EclipseProjects\FamilyLocator\required setup files\poi-3.17 and poi extra jar folder

1. **Move chromedriver and geckodriver to C:\**Move chromedriver and geckodriver from C:\EclipseProjects\FamiyLocator\required setup files to C:\
2. **Change MAC paths to Window paths in various files using Eclipse**

Doubleclick on log4j2.xml to open it and change filename folder to the following <RollingFile name=”RollingFile” filename= “C:\\EclipseProjects\\FamilyLocator\\log4jlogs\\logs.log” filepattern="${logPath}/%d{YYYYMMddHHmmss}-fargo.log">

Doubleclick on loj4.properties to open it and change filename folder to the following log4j.appender.file.File=C:\\EclipseProjects\\FamilyLocator\\log4jlogs\\logs.log

Doubleclick on ExcelMethods.java and comment out the MAC line with // and uncomment out the Windows line by removing //

//For Mac -comment out if using for windows

//private static final String FILE\_NAME = "/Users/atong/Documents/EclipseProjects/FamilyLocator/src/testdata/TestData.xlsx";

//For Windows -comment out if using for mac

private static final String FILE\_NAME = "C:\\EclipseProjects\\FamilyLocator\\src\\testdata\\TestData.xlsx";

Doubleclick on TestBase.java and comment out the MAC line with // and uncomment out the Windows line by removing //

//For Mac -comment out if using for windows

//public static String folderpath = "/Users/atong/Documents/EclipseProjects/FamilyLocator/screencaptures";

//For Windows -comment out if using for mac

public static String folderpath = "C:\\EclipseProjects\\FamilyLocator\\screencaptures";

//For Mac -comment out if using for windows

//System.setProperty("webdriver.gecko.driver","/Users/atong/Documents/geckodriver/geckodriver");

//For Windows -comment out if using for mac

System.setProperty("webdriver.gecko.driver","C:\\geckodriver\\geckodriver");

//For Mac -comment out if using for windows

//System.setProperty("webdriver.chrome.driver", "/Users/atong/Documents/chromedriver/chromedriver");

//For Windows -comment out if using for mac

System.setProperty("webdriver.chrome.driver", "C:\\chromedriver\\chromedriver");

**Remember to save changes**

1. **Run Family Locator Smoke Test with TestNG**Go to Eclipse and right mouse click on TestNG.xml>Select Run As>Select TestNG suite  
   Let the scripts run by itself without locking the computer screen.  
   When it finishes running the console will produce something like this:

FamilyLocator Suite

Total tests run: 6, Failures: 0, Skips: 0

1. **Access TestNG test results**Go to C:\EclipseProjects\FamilyLocator\test-output\emailable-report.html  
   Any failed tests will create screencaptures folder in the root of the FamilyLocator folder
2. **Rerun Intermittently failing tests**

Create a copy of TestNG.xml and name it RetestTestNG.xml

Edit it to include only the tests you need to rerun and save it

Then click on RetestTestNG.xml>Select Run As>Select TestNG Suite