Selenium/Java/Eclipse Setup

Friday, April 05, 2013

10:32 AM

**Training Videos**

The training videos found here on YouTube have been very helpful: <http://www.youtube.com/user/tarun3kumar/videos>

The 1st video goes over some basics of identifying elements (similar to what I've showed using XPath to work with elements on a page). After watching bits and pieces of this video, I decided to just move directly to the 2nd video. But other people may find it useful.

The 2nd video: Beginning with WebDriver and TestNG - <http://www.youtube.com/watch?v=6AKtmimF2js> I found to be very useful. The first 12 minutes or so are a continuation of the 1st video, but after that it jumps into using Eclipse and Selenium WebDriver.

Before watching the training videos, it's a good idea to have Eclipse setup and working and the required files that you'll need copied locally. Below are the steps to get an Eclipse environment setup. (I also have a "Project Setup" heading below, but the 2nd video will walk you through that)

**Setup Files**

All files (and eventually later versions) can be downloaded from their respective websites (links at the end of this doc)

**Setup Steps**

1. Install Firefox and Chrome (if not already installed)
2. Install the Java JDK (currently using 7u17)
   1. 32-bit: jdk-7u17-windows-i586.exe
   2. 64-bit: jdk-7u17-windows-x64.exe
3. Copy the files below to a local folder (I used C:\Selenium)
   1. selenium-server-standalone-2.31.0.jar
   2. testng-6.8.1.jar
   3. chromedriver.exe
4. Download Eclipse
   1. Copy the 'eclipse-SDK-4.2.2-win32-x86\_64' folder locally. I have mine on C:\Eclipse
5. Open Eclipse
   1. Simply launch eclipse.exe from the folder in set 4
6. Install the TestNG plug-in
   1. From Eclipse, select Help -> Install New Software
   2. Click the Add button
   3. Enter <http://beust.com/eclipse> into the location field and click ok
   4. Make sure the check box next to TestNG is checked and click Next.
   5. Eclipse will then guide you through the process.
   6. Machine generated alternative text:
      Install
      Available Software
      Check the items that you wish to install.
      Work with: http://beust.com/eclipse Add...
      Find more software by working with the “Available Software Sites” preferences.
      type filter text
      Name Version
      .. jU[uTestNG
7. You should now be ready to proceed with the WebDriver training video

**Project Setup**

1. Select File -> New -> Java Project
2. Give your project a name and click Next
3. Click the Libraries tab
4. Click 'Add External JARs…'
5. Add the 'selenium-server-standalone-2.31.0.jar' JAR
6. Add the 'testng-6.8.1.jar' JAR
7. Click Finish
8. RMB on your project name and select New -> Folder
9. Give the folder the name of 'test-output'
10. RMB on your project name and select New -> File
11. Name the file 'testng.xml'

**Misc. Download Links**

Java - <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

Eclipse - <http://www.eclipse.org/downloads/>

Selenium - <http://docs.seleniumhq.org/download/>

TestNG - <http://testng.org/doc/download.html>