. ***Download & Install Java***

. ***Download and Install Eclipse***

. ***Install Cucumber Eclipse Plug-in***

. ***Download Cucumber***

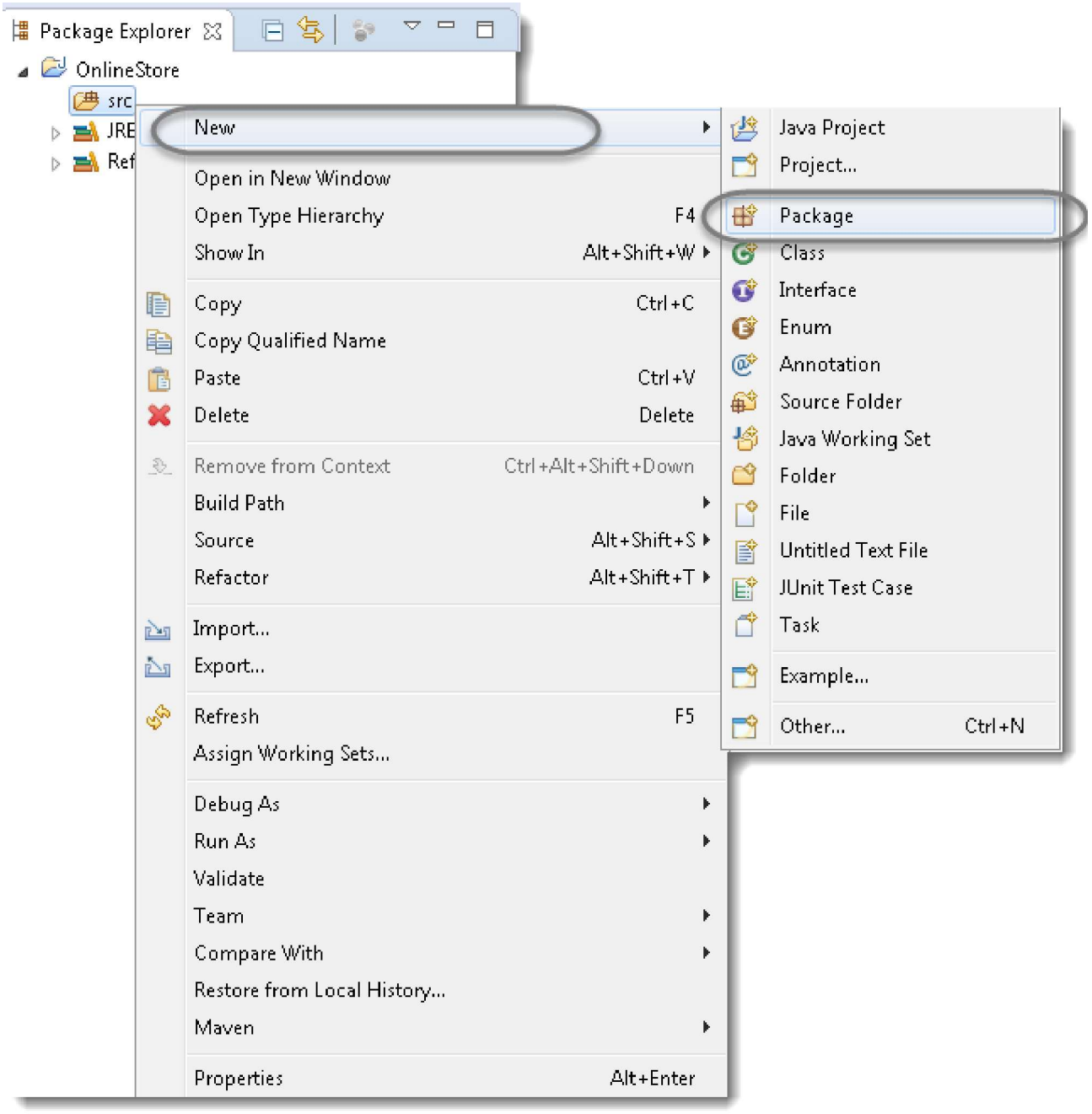
. ***Download Selenium WebDriver Client***

. ***Configure Eclipse with Selenium & Cucumber***

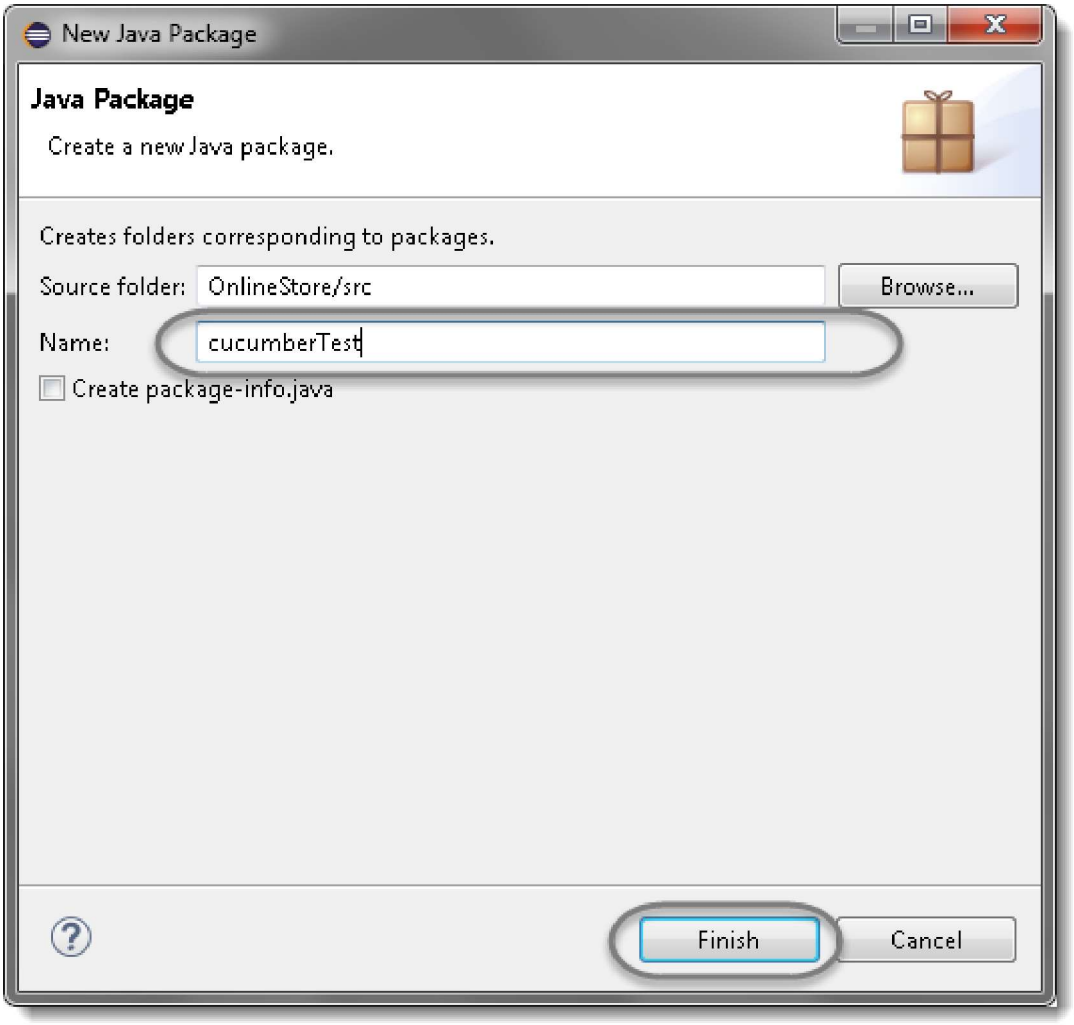
Create Folder Structure

Before moving head for writing the first script, let's create a nice folder structure of the project.

. Create a new ***Package*** by right click on the '*src*' folder and select *New* > *Package.*

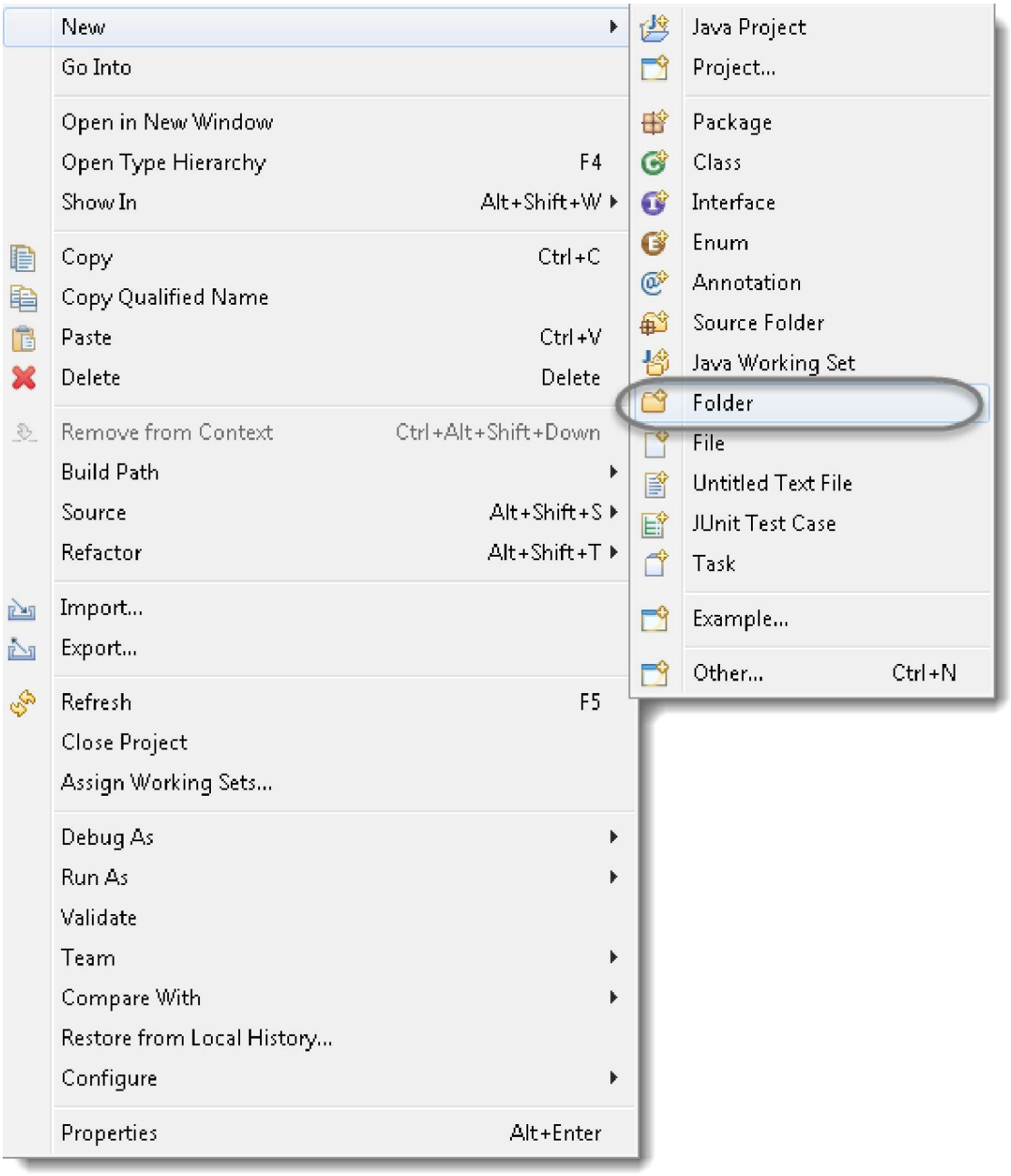


. Name it as '*cucumberTest*' and click on Finish button.

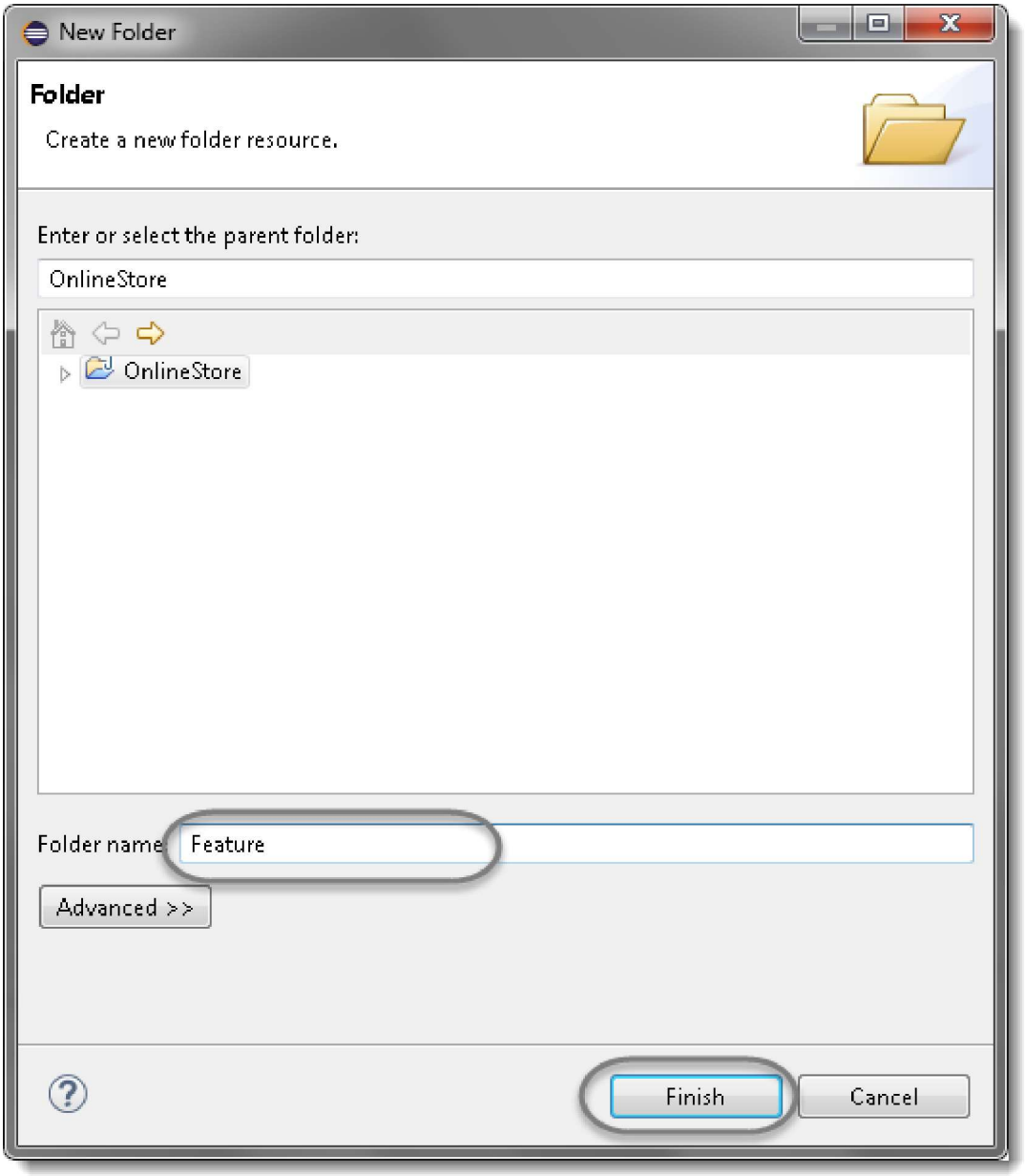


. Create another ***Package*** and name it as '*stepDefinition*', by right click on the '*src*' folder and select *New* > *Package*.

. Create a new ***Folder*** this time by right click on the project '*OnlineStore*' and select *New* > *Folder*.



. Name it as '*Feature*' and click on *Finish* button.

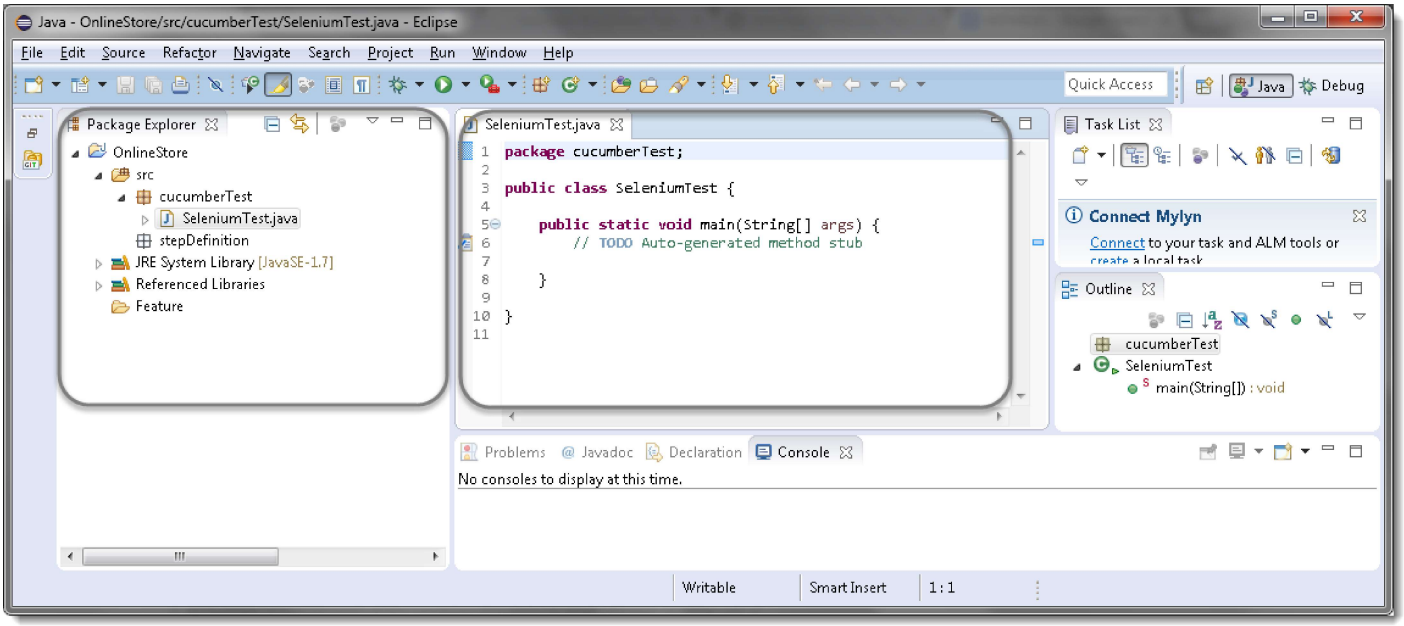


Selenium Java Test

Lets first write a simple ***Selenium Test script*** for ***LogIn*** functionality and then convert that script into *Cucumber* script to understand it better.

. Create a new ***Class*** file in the '*cucumberTest*' package and name it as '*SeleniumTest*', by right click on the Package and select ***New > Class***. Check the option '*public static void main*' and click on ***Finish*** button.

Now the Eclipse Window must look like this:



Selenium Test Script

Now write a simple script performing the following steps in Selenium.

. *Launch the Browser*
. *Navigate to Home Page*
. *Click on the LogIn link*
. *Enter UserName and Password*
. *Click on Submit button*
. *Print a successful message*
. *LogOut from the application*
. *Print a successful message*
. *Close the Browser*

Selenium Test Script

```
package cucumberTest;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class SeleniumTest {
                private static WebDriver driver = null;
        public static void main(String[] args) {
                // Create a new instance of the Firefox driver

        driver = new FirefoxDriver();

        //Put a Implicit wait, this means that any search for elements on the page could
```

```
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        //Launch the Online Store Website
        driver.get("https://www.store.demoqa.com");
        // Find the element that's ID attribute is 'account'(My Account)
        driver.findElement(By.xpath(".//*[@id='account']/a")).click();
        // Find the element that's ID attribute is 'log' (Username)
        // Enter Username on the element found by above desc.
        driver.findElement(By.id("log")).sendKeys("testuser_1");
        // Find the element that's ID attribute is 'pwd' (Password)

        // Enter Password on the element found by the above desc.
        driver.findElement(By.id("pwd")).sendKeys("Test@123");
        // Now submit the form. WebDriver will find the form for us from the element
        driver.findElement(By.id("login")).click();
        // Print a Log In message to the screen
        System.out.println("Login Successfully");
        // Find the element that's ID attribute is 'account_logout' (Log Out)
        driver.findElement (By.xpath(".//*[@id='account_logout']/a")).click();
        // Print a Log In message to the screen
        System.out.println("LogOut Successfully");
        // Close the driver
        driver.quit();
        }
}
```

***Note**: If the Selenium version is less than 3.0, above test will work for you. If the version is above 3.0, in that case, please look at the chapter* **How to Use Gecko Driver in Selenium 3**

Now, to start the test just select ***Run > Run As > Java Application*** Or *Right Click* on Eclipse code and Click ***Run As > Java Application***. After a few seconds, a Mozilla browser will open and you will see that with the help of your script, Selenium will *Launch the Online Store demo application*, perform ***Sign in***.