

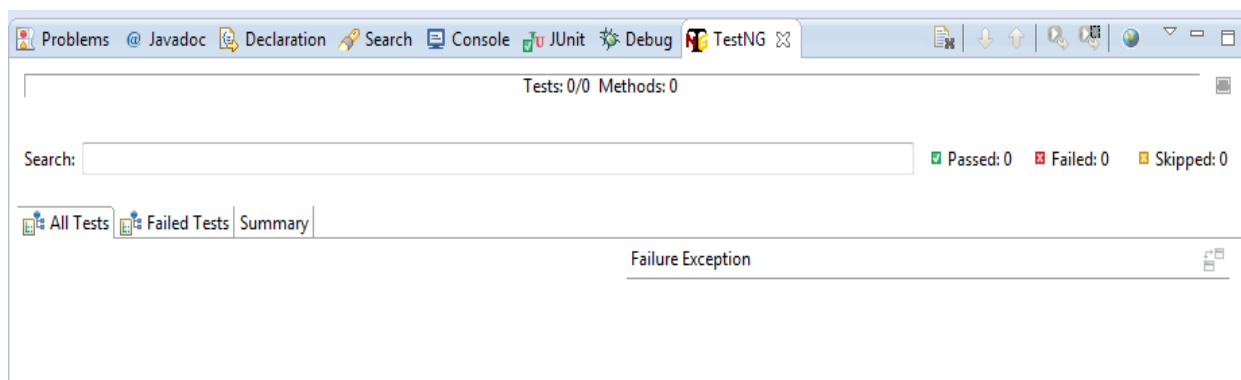
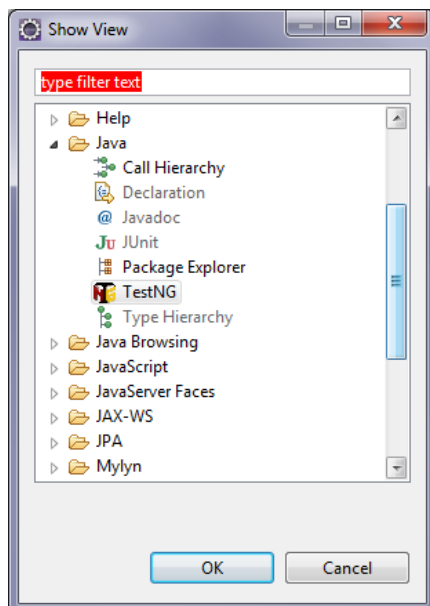
TestNG Workbook(2012)

Links

<http://qtp.selenium.com/selenium-tutorial/junit-selenium-training/>

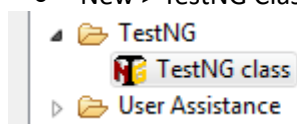
Eclipse Setup

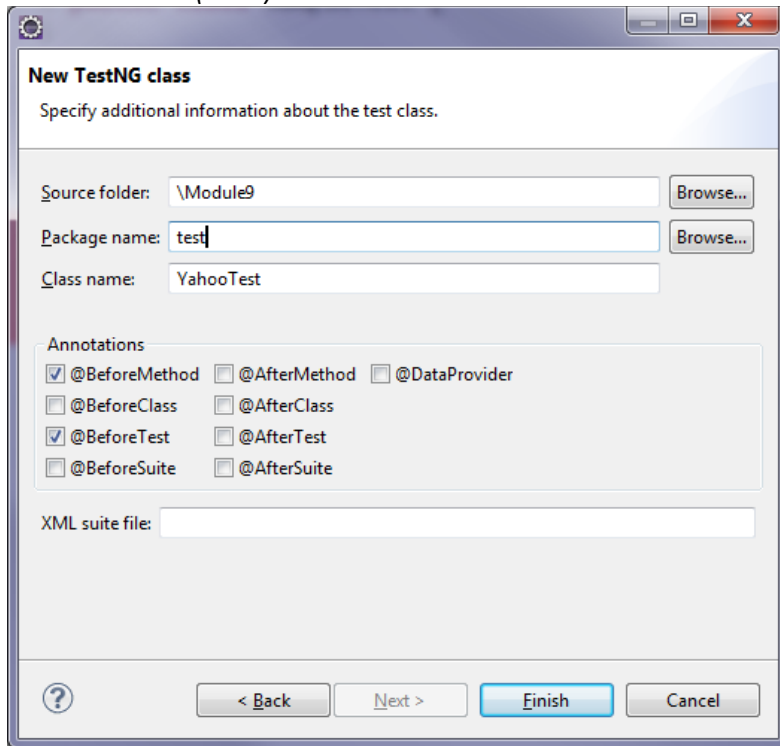
- testng.org/doc/download.html
- Show>View>TestNG



Creating a New TestNG Class

- New > TestNG Class





Resulting Code

```
package test;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeTest;

public class YahooTest {
    @Test
    public void f() {
    }
    @BeforeMethod
    public void beforeMethod() {
    }

    @BeforeTest
    public void beforeTest() {
    }
}
```

Annotations

```
@BeforeSuite
@BeforeTest
@BeforeMethod
@Test
@AfterMethod
```

@AfterTest

@AfterSuite

Running Test Suites with testng.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Yahoo">
  <test name="Yahoo Mail Test">
    <classes>
      <class name="test.YahooTest" /></classes>
    </test>
    <test name="Yahoo News Test">
      <classes>
        <class name="test.YahooNewsTest" /></classes>
      </test>
    </suite>
```

Skipping Tests

```
@BeforeTest
public void xyz(){
    System.out.println("Before Executing Yahoo News Test");
    throw new SkipException("Skipping the test because of some reason");
}
```

Parameterization of Tests

@DataProvider

@Test(dataProvider="RegisterData")

```
@DataProvider
public Object[][] registerData(){
    //rows - number of iterations
    //cols - data for each test
    Object[][] data=new Object[3][4];

    // first row
    data[0][0]="user1";
    data[0][1]="pass1";
    data[0][2]="email1";
    data[0][3]="city1";

    // second row
    data[1][0]="user2";
    data[1][1]="pass2";
    data[1][2]="email2";
    data[1][3]="city2";

    // third row
    data[2][0]="user3";
```

```

    data[2][1]="pass3";
    data[2][2]="email3";
    data[2][3]="city3";

    return data;

    @Test(dataProvider="registerData")
    public void testRegister(String username, String password, String email,
String city){
        // selenium code
        // username
        // password
        // email
        // city

        System.out.println(username + " -- " + password + " -- " + email + " -- " +
city);

```

Assertions

Assert.assertEquals - message if eval is **false**

Assert.assertTrue - message if true

Assert.assertFalse - message if false

```

    Assert.assertEquals("Good", "Bad");
    Assert.assertTrue(6>1, "Error message");
    Assert.assertFalse(1>9, "Error message");

```

Selenium WebDriver

ANT with TestNG

- Saxon
 - <http://www.java2s.com/Code/Jar/s/Downloadsaxon653jar.htm>
 - <http://vocaro.com/trevor/blog/2007/01/08/how-to-use-saxon-with-ant/>
 - <http://blog.varunin.com/2010/05/generating-selenium-reports-using.html>
 - <http://qtpselenium.com/selenium-forum/viewtopic.php?f=3&t=166>
 - <http://code.google.com/p/testng-xslt/>
 - This has SaxonLiaison.jar
 -
 -
- ReportNG
 - <https://github.com/dwdyer/reportng/downloads>
 - <http://reportng.uncommons.org/>
- XSLT XSL
 - <http://code.google.com/p/testng-xslt/>
- Another Ant Build.xml link
 - <http://code.ohloh.net/file?>

[fid=Nlto_kYVRQUJLdjERBvSqF3QNkQ&cid=kTVtm3aaoY8&s=&browser=Default#L0](#)

- Many Jars
 - <http://www.java2s.com/Code/Jar/CatalogJar.htm>
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