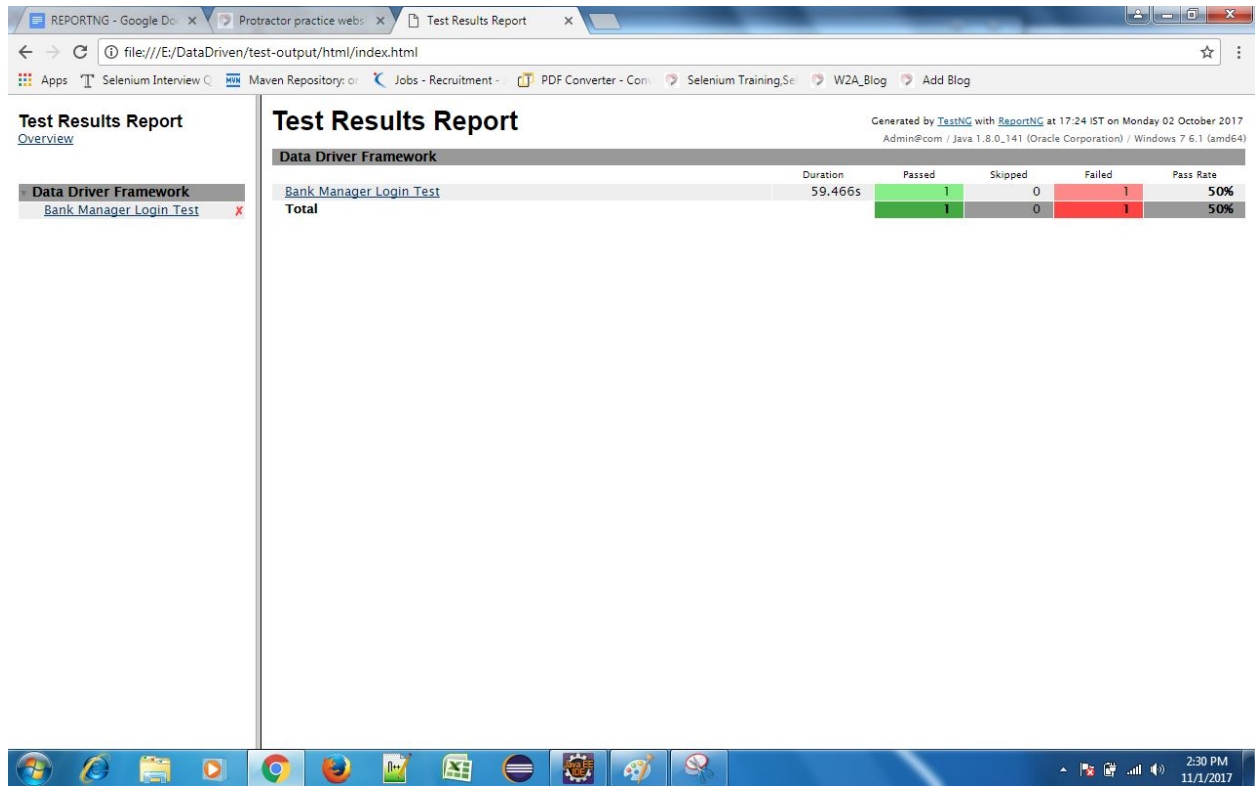# *Report*NG

ReportNG is a simple HTML reporting plug-in for the [TestNG](#) unit-testing framework. It is intended as a replacement for the default TestNG HTML report. The default report is comprehensive but is not so easy to understand at-a-glance. ReportNG provides a simple, colour-coded view of the test results.

Since version 0.9.0, ReportNG also includes a second reporter that produces JUnit format XML output. This enables TestNG to integrate with tools, such as Hudson, that understand these XML files. This is an alternative to the JUnit XML reporter that is provided with TestNG. The ReportNG implementation maps each test class to a single <testsuite> element, resulting in one XML file per test class. This is different from the approach taken by the core TestNG implementation. The ReportNG version of the JUnit reporter ignores TestNG's notion of suites to produce output that is closer to what you would get if you were using JUnit.

The current version is 1.1.4, which has been tested with TestNG 6.2 (it should work with any version of TestNG after 5.0, but this has not been tested).

Sample Reports
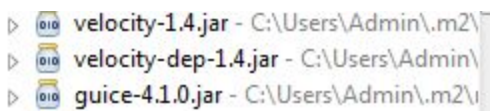
Configuring ReportNG with TestNG for HTML Reports

Step 1: Add the below Jars Files to your project.
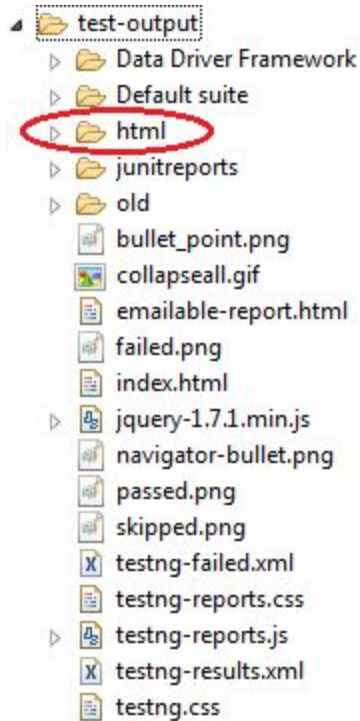
reportng-1.1.4.jar

velocity-dep-1.4.jar

guice-3.0.jar

Above jars should be appear like below figure.

poi-3.6.jar - C:\Users\Admin\.m2\repo

Step 3 : After importing below jars make sure that In the test-output folder an html folder is been added successfully.

- test-output
  - Data Driver Framework
  - Default suite
  - html
  - junitreports
  - old
  - bullet_point.png
  - collapseall.gif
  - emailable-report.html
  - failed.png
  - index.html
  - jquery-1.7.1.min.js
  - navigator-bullet.png
  - passed.png
  - skipped.png
  - testng-failed.xml
  - testng-reports.css
  - testng-reports.js
  - testng-results.xml
  - testng.css

Step 4 : Open that html folder and right click on index.html file .

Step 5 : Select properties and copy the given path.

Step 6 : Now paste it an explorer's url bar.

The example code as follows:

Please add two packages as "packOne" and "packTwo" and a class for both the packages.

Package: PackOne

Class : demoOne

Here the first testcase will result in failure as i have used timeOut as 1000, to show you the report with both PASS and FAIL report.

```
package packOne;
import org.testng.annotations.Test;
public class demoOne {
```

```java
        @Test(timeOut=1000)
        public void firstTestCase() throws InterruptedException
        {
                System.out.println("im in first test case from demoOne Class");
                Thread.sleep(1500);
        }
        @Test
        public void secondTestCase()
        {
                System.out.println("im in second test case from demoOne Class");
        }
}
```
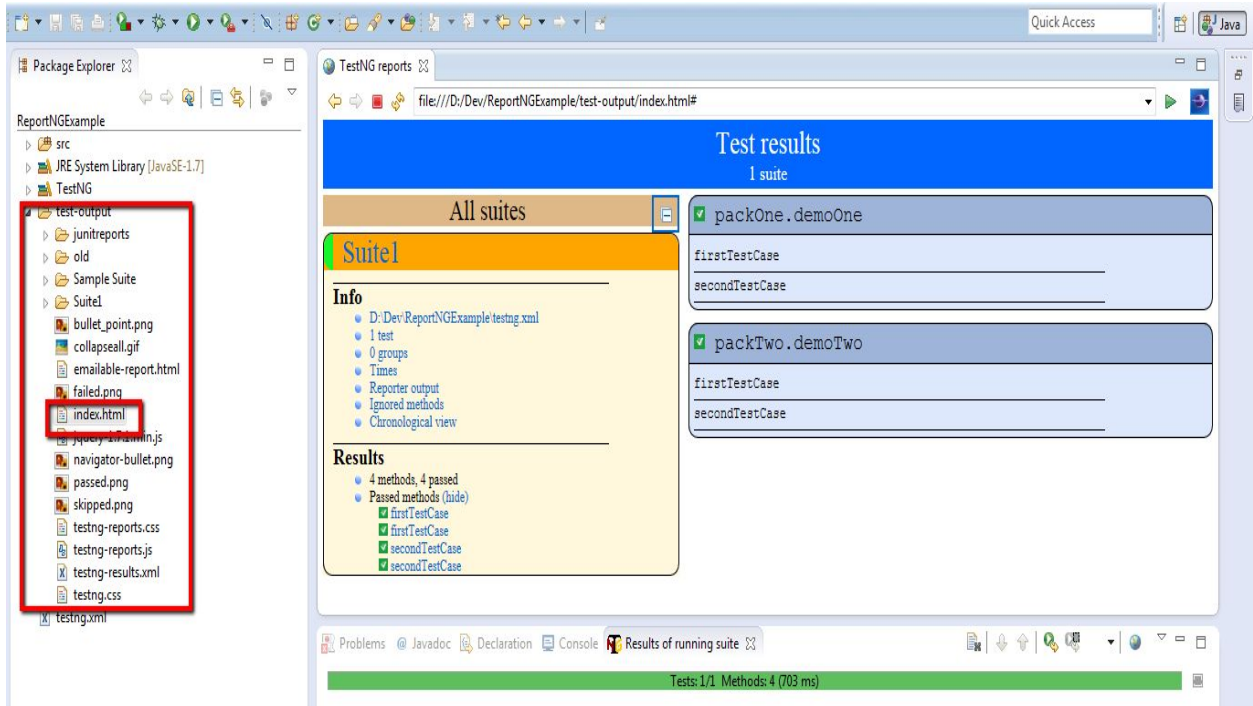
Package : packTwo

Class : demoTwo

```java
package packTwo;
import org.testng.annotations.Test;
public class demoTwo {
        @Test
        public void firstTestCase()
        {
                System.out.println("im in first test case from demoTwo Class");
        }
        @Test
        public void secondTestCase()
        {
                System.out.println("im in second test case from demoTwo Class");
        }
}
```

The below report is with the Default TestNG HTML Report.

Please execute the testcases/scripts to see the reports as below. After executing the testcases, Refresh the project folder to see the updated Reports. You will find a folder "html" and click on Index.html file to view the Report Generated By ReportNG

The below is the Overview Report generated after configuring the ReportNG with TestNG.

The below is the Report generated after configuring the ReportNG with TestNG.

Test Results Report
Overview

▼ **Suite1**
   Regression Test ✗
   Suite

Regression Test Suite

Test duration: 1.077s

Failed Tests

packOne.demoOne

firstTestCase   1.061s   org.testng.internal.thread.ThreadTimeoutException: Method org.testng.internal.TestNGMethod.firstTestCase() didn't finish within the time-out 1000

Passed Tests

packOne.demoOne

secondTestCase   0.000s

packTwo.demoTwo

firstTestCase   0.016s
secondTestCase   0.000s