

index.html

```
<html><head><title>Results for Default
suite</title></head>
<frameset cols="26%,74%">
<frame src="toc.html" name="navFrame">
<frame src="main.html" name="mainFrame">
</frameset>
</html>
```

Emailable-report.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"https://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="https://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8"/>
<title>TestNG Report</title>
<style type="text/css">table {margin-bottom:10px;border-
collapse:collapse;empty-cells:show}th,td {border:1px solid #009;padding:.25em
.5em}th {vertical-align:bottom}td {vertical-align:top}table a {font-
weight:bold}.stripe td {background-color: #E6EBF9}.num
{text-align:right}.passedodd td {background-color: #3F3}.passedeven td
{background-color: #0A0}.skippedodd td {background-color: #DDD}.skippedeven td
{background-color: #CCC}.failedodd td,.attn {background-color: #F33}.failedeven
td,.stripe .attn {background-color: #D00}.stacktrace {white-space:pre;font-
family:monospace}.totop {font-size:85%;text-
align:center;border-bottom:2px solid #000}.invisible
{display:none}</style>
</head>
<body>
<table>
<tr><th>Test</th><th># Passed</th><th># Skipped</th><th># Retried</th><th>#
Failed</th><th>Time (ms)</th><th>Included Groups</th><th>Excluded Groups</th></tr>
<tr><th colspan="8">Default suite</th></tr>
<tr><td><a href="#t0">Default test</a></td><td class="num">3</td><td
class="num">0</td><td class="num">0</td><td class="num">0</td><td
class="num">14,871</td><td></td><td></td></tr>
</table>
<table id='summary'><thead><tr><th>Class</th><th>Method</th><th>
>Start</th><th>Time (ms)</th></tr></thead><tbody><tr><th colspan="4">Default
suite</th></tr></tbody><tbody id="t0"><tr><th colspan="4">Default test &#8212;
passed</th></tr><tr class="passedeven"><td
rowspan="3">com.ecom.webapp.SoftAssertWithSimplilearnLog In</td><td><a
href="#m0">launchChromeTest</a></td><td rowspan="1">1622223576846</td><td
rowspan="1">10891</td></tr><tr class="passedeven"><td><a
href="#m1">testSimplilearnHomePageTitle</a></td><td
rowspan="1">1622223587744</td><td rowspan="1">12</td></tr><tr>
class="passedeven"><td><a href="#m2">testSimplilearnLogin</a></td><td
rowspan="1">1622223587757</td><td rowspan="1">3915</td></tr></tbody>
</table>
<h2>Default test</h2><h3 id="m0">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#l
aunchChromeTest</h3><table class="result"><tr><th>
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class="invisible"/></tr></table><p class="totop"><a href="#summary">back to
summary</a></p>
<h3 id="m1">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#t
estSimplilearnHomePageTitle</h3><table class="result"><tr><th
class="invisible"/></tr></table><p class="totop"><a href="#summary">back to
summary</a></p>
<h3 id="m2">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#t
estSimplilearnLogin</h3><table class="result"><tr><th
class="invisible"/></tr></table><p class="totop"><a href="#summary">back to
summary</a></p>
</body>
</html>
Testng-results.html
<?xml version="1.0" encoding="UTF-8"?>
<testng-results ignored="0" total="3" passed="3" failed="0" skipped="0">
<reporter-output>
</reporter-output>
<suite started-at="2021-05-28T23:09:36 IST" name="Default suite"
finished-at="2021-05-28T23:09:51 IST" duration-ms="14871">
<groups>
<group name="ChromeOnly">
<method signature="SoftAssertWithSimplilearnLogIn.launchChromeTe st()[pri:0,
instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"
name="launchChromeTest" class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>
<method signature="SoftAssertWithSimplilearnLogIn.testSimplilear
nHomePageTitle()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@
6d3a388c]" name="testSimplilearnHomePageTitle"
class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>
<method signature="SoftAssertWithSimplilearnLogIn.testSimplilear nLogin()[pri:1,
instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"
name="testSimplilearnLogin"
class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>
</group> <!-- ChromeOnly -->
</groups>
<test started-at="2021-05-28T23:09:36 IST" name="Default test"
finished-at="2021-05-28T23:09:51 IST" duration-ms="14871">
<class name="com.ecom.webapp.SoftAssertWithSimplilearnLogIn">
<test-method signature="launchChromeTest()[pri:0,
instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"
started-at="2021-05-28T23:09:36 IST"
name="launchChromeTest" finished-at="2021-05-28T23:09:47 IST" duration-ms="10891"
status="PASS">
<reporter-output>
</reporter-output>
</test-method> <!-- launchChromeTest -->
<test-method signature="testSimplilearnHomePageTitle()[pri:1,
instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"
started-at="2021-05-28T23:09:47 IST"
name="testSimplilearnHomePageTitle" finished-at="2021- 05-28T23:09:47 IST"
depends-on- methods="com.ecom.webapp.SoftAssertWithSimplilearnLogIn.

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launchChromeTest" duration-ms="12" status="PASS">
<reporter-output>
</reporter-output>
</test-method> <!-- testSimplilearnHomePageTitle
-->
<test-method
signature="testSimplilearnLogin()[pri:1,
instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"
started-at="2021-05-28T23:09:47 IST"
name="testSimplilearnLogin" finished-at="2021-05- 28T23:09:51 IST" depends-on-
methods="com.ecom.webapp.SoftAssertWithSimplilearnLogIn. launchChromeTest"
duration-ms="3915" status="PASS">
<reporter-output>
</reporter-output>
</test-method> <!-- testSimplilearnLogin -->
</class> <!-- com.ecom.webapp.SoftAssertWithSimplilearnLogIn -->
</test> <!-- Default test -->
</suite> <!-- Default suite -->
</testng-results>
Testng-failed.html
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng- 1.0.dtd">
<suite name="Failed suite [Default suite]" guice- stage="DEVELOPMENT">
<test thread-count="5" name="Default test(failed)">
<classes>
<class name="com.ecom.webapp.SoftAssertWithSimplilearnLogIn">
<methods>
<include name="launchChromeTest"/>
<include name="testSimplilearnHomePageTitle"/>
</methods>
</class> <!-- com.ecom.webapp.SoftAssertWithSimplilearnLogIn -->
</classes>
</test> <!-- Default test(failed) -->
</suite> <!-- Failed suite [Default suite] -->
Testng-reports.js
$(document).ready(function() {
$('a.navigator-link').on("click", function() {
// Extract the panel for this link var panel = getPanelName($(this));
// Mark this link as currently selected
$($('.navigator- link').parent().removeClass('navigator-selected');
$(this).parent().addClass('navigator-selected');
showPanel(panel);
});
installMethodHandlers('failed'); installMethodHandlers('skipped');
installMethodHandlers('passed', true); // hide
passed methods by default
$('a.method').on("click", function() { showMethod($(this));
return false;
});
// Hide all the panels and display the first one (do this last

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// to make sure the click() will invoke the listeners)
$('.panel').hide();
$('.navigator-link').first().trigger("click");
// Collapse/expand the suites
$('a.collapse-all-link').on("click", function() { var contents =
$('.navigator-suite-content'); if (contents.css('display') == 'none') {
contents.show();
} else {
contents.hide();
});
});
// The handlers that take care of showing/hiding the methods
function installMethodHandlers(name, hide) { function getContent(t) {
return $('.method-list-content.' + name + "." + t.attr('panel-name'));
}
function getHideLink(t, name) {
var s = 'a.hide-methods.' + name + "." + t.attr('panel-name');
return $(s);
}
function getShowLink(t, name) {
return $('a.show-methods.' + name + "." + t.attr('panel-name'));
}
function getMethodPanelClassSel(element, name) { var panelName =
getPanelName(element);
var sel = '.' + panelName + "-class-" + name; return $(sel);
}
$('a.hide-methods.' + name).on("click", function() { var w = getContent($(this));
w.hide();
getHideLink($(this), name).hide(); getShowLink($(this), name).show();
getMethodPanelClassSel($(this), name).hide();
});
$('a.show-methods.' + name).on("click", function() { var w = getContent($(this));
w.show();
getHideLink($(this), name).show(); getShowLink($(this), name).hide();
showPanel(getPanelName($(this))); getMethodPanelClassSel($(this), name).show();
});
if (hide) {
$('a.hide-methods.' + name).trigger("click");
} else {
$('a.show-methods.' + name).trigger("click");
}
}
function getHashForMethod(element) {
return element.attr('hash-for-method');
}
function getPanelName(element) { return element.attr('panel-name');
}
function showPanel(panelName) {
$('.panel').hide();

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var panel = $('.panel[panel-name="' + panelName + '"]');
panel.show();
}
function showMethod(element) {
var hashTag = getHashForMethod(element); var panelName = getPanelName(element);
showPanel(panelName);
var current = document.location.href; var base = current.substring(0,
current.indexOf('#'))
document.location.href = base + '#' + hashTag; var newPosition =
$(document).scrollTop() - 65;
$(document).scrollTop(newPosition);
}
function drawTable() {
for (var i = 0; i < suiteTableInitFunctions.length; i++) {
window[suiteTableInitFunctions[i]]();
}
for (var k in window.suiteTableData) { var v = window.suiteTableData[k]; var div =
v.tableDiv;
var data = v.tableData
var table = new google.visualization.Table(document.getElementById(div))
;
table.draw(data, { showRowNumber : false
});
}
}
}

```

Pom.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>com.ecom.webapp</groupId>
<artifactId>phase-5-selenium-testng</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>phase-5-selenium-testng</name>
<!-- FIXME change it to the project's website -->
<url>http://www.example.com</url>
<properties>
<project.build.sourceEncoding>UTF- 8</project.build.sourceEncoding>
<maven.compiler.source>1.7</maven.compiler.source>
<maven.compiler.target>1.7</maven.compiler.target>
</properties>
<dependencies>
<!-- Add testng maven dependency-->
<dependency>
<groupId>org.testng</groupId>
<artifactId>testng</artifactId>
<version>7.3.0</version>
<scope>test</scope>

```

```

</dependency>
<!-- selenium-java -->
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-java</artifactId>
<version>3.141.59 </version>
</dependency>
</dependencies>
</project>
Classes.html
<table border='1'>
<tr>
<th>Class name</th>
<th>Method name</th>
<th>Groups</th>
</tr><tr>
<td>com.ecom.webapp.SoftAssertWithSimplilearnLogIn</td>
<td>&nbsp;</td><td>&nbsp;</td></tr>
<tr>
<td align='center' colspan='3'>@Test</td>
</tr>
<tr>
<td>&nbsp;</td>
<td>launchChromeTest</td>
<td>ChromeOnly </td>
</tr>
<tr>
<td>&nbsp;</td>
<td>testSimplilearnLogin</td>
<td>ChromeOnly </td>
</tr>
<tr>
<td>&nbsp;</td>
<td>testSimplilearnHomePageTitle</td>
<td>ChromeOnly </td>
</tr>
<tr>
<td align='center' colspan='3'>@BeforeClass</td>
</tr>
<tr>
<td align='center' colspan='3'>@BeforeMethod</td>
</tr>
<tr>
<td align='center' colspan='3'>@AfterMethod</td>
</tr>
<tr>
<td align='center' colspan='3'>@AfterClass</td>
</tr>
</table>
Methods-alphabetical.html

```

## Methods run, sorted chronologically

### >> means before, << means after

*Default suite*  
(Hover the method name to see the test class name)

Time	Delta (ms)	Suite configuration	Test configuration	Class configuration	Groups configuration	Method configuration	Test method	Thread	Instances
21/05/28 23:09:36	0						launchChromeTest()		
21/05/28 23:09:47	10899						testSimplilearnHomePageTitle()		
21/05/28 23:09:47	10912						testSimplilearnLogin()		

Toc.html

<html>

<head>

<title>Results for Default suite</title>

<link href="../../../testng.css" rel="stylesheet" type="text/css" />

<link href="../../../my-testng.css" rel="stylesheet" type="text/css" />

</head>

<body>

<h3><p align="center">Results for<br/><em>Default suite</em></p></h3>

<table border='1' width='100%'>

<tr valign='top'>

<td>1 test</td>

<td><a target='mainFrame' href='classes.html'>1 class</a></td>

<td>3 methods:<br/> &nbsp;&nbsp;&nbsp;<a target='mainFrame' href='methods.html'>chronological</a><br/> &nbsp;&nbsp;&nbsp;<a target='mainFrame' href='methods- alphabetical.html'>alphabetical</a><br/> &nbsp;&nbsp;&nbsp;<a target='mainFrame' href='methods- not- run.html'>not run (0)</a></td>

</tr>

<td><a target='mainFrame' href='groups.html'>1 group</a></td>

<td><a target='mainFrame' href='reporter- output.html'>reporter output</a></td>

```

<td><a target='mainFrame' href='testng.xml.html'>testng.xml</a></td>
</tr></table>
<table width='100%' class='test-passed'>
<tr><td>
<table style='width: 100%'><tr><td valign='top'>Default test (3/0/0)</td><td
valign='top' align='right'>
<a href='Default test.html' target='mainFrame'>Results</a>
</td></tr></table>
</td></tr></table>
</td></tr><p/>
</table>
</body></html>

```

AssertionsTest.java

```

package com.ecom.webapp;
import static org.testng.Assert.assertEquals;
import org.testng.annotations.Test; import org.testng.asserts.SoftAssert;
public class AssertionsTest {
//Hard Assert: Hard assert throws an AssertionError immediately when an assert
statement fails and
//test suite continues with next @Test
@Test
public void hardAssert() {
System.out.println("-- Hard Assert Method was started... --");
assertEquals(true, false); //Assertion Error System.out.println("-- Hard Assert Is
Completed.
");
}
//Soft Assert :: Soft assert collects errors during @Test.
//Soft assert does not throw an exception when an assert fails.
@Test
public void softAssert() {
SoftAssert softAssert = new SoftAssert();
System.out.println("-- Soft Assert Method was started --");
softAssert.assertEquals(true, false); softAssert.assertTrue(false);
System.out.println("-- Soft Assert Method Was
Completed --");
}
}

```

TestNGGroupTest.java

```

package com.ecom.webapp;
import org.testng.annotations.Test;
import org.testng.annotations.BeforeMethod;
import static org.testng.Assert.assertEquals;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.edge.EdgeDriver; import org.testng.annotations.AfterMethod;
//Let's do some Test Cases Evaluated in Chrome browser and some in MicrosoftEdge
Browser
public class TestNgGroupTest {
final String amazonURL = "https://www.amazon.in/"; final String simplilearnURL =
"https://www.simplilearn.com/";

```



```

final String chromeDriverPath
="driver\\chromedriver.exe";
final String mirosoftedgeDriverPath
="driver\\msedgedriver.exe";
WebDriver driver1; WebDriver driver2;
//Chrome browser test -> Group Chrome Test
@Test(groups="ChromeOnly") public void launchChromeTest() {
System.setProperty("webdriver.chrome.driver",chromeDriver rPath );
driver1 = new ChromeDriver(); driver1.get(amazonURL);
}
@Test(groups="ChromeOnly", dependsOnMethods="launchChromeTest", priority=1)
public void testAmazonHomePage() {
String expected = "Online Shopping site in India: Shop Online for Mobiles, Books,
Watches, Shoes and More
- Amazon.in";
assertEquals(expected,driver1.getTitle());
}
@Test(groups="ChromeOnly", dependsOnMethods="launchChromeTest",priority=2)
public void testAmazonSourceURL() {
assertEquals(amazonURL,driver1.getCurrentUrl()); driver1.close();
}
//Microsoft Edge Test -> Group Microsoft Edge Test
@Test(groups="MicrosoftEdgeOnly")
public void launchMicrosoftEdgeTest() {
System.setProperty("webdriver.edge.driver",mirosoftedgeD riverPath );
driver2 = new EdgeDriver(); driver2.get(simplilearnURL);
}
@Test(groups="MicrosoftEdgeOnly",dependsOnMethods="launc hMicrosoftEdgeTest",
priority=1)
public void testSimplilearnHomePageTitle() { String expected = "World's #1 Online
Bootcamp &
Certification Course Provider | Simplilearn"; assertEquals(expected,
driver2.getTitle());
}
@Test(groups="MicrosoftEdgeOnly",
dependsOnMethods="launchMicrosoftEdgeTest",priority=2)
public void testSimplilearnSourceURL() {
assertEquals(simplilearnURL,driver2.getCurrentUrl());
driver2.close();
}
}
TestNGStandardAnnotations.java
package com.ecom.webapp;
import org.testng.annotations.AfterClass; import
org.testng.annotations.AfterMethod; import org.testng.annotations.AfterSuite;
import org.testng.annotations.BeforeClass; import
org.testng.annotations.BeforeMethod; import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;
public class TestNgStandardAnnotationsTest { @BeforeSuite
public void beforeSuite() {

```

```

System.out.println("--- Before Suite Is Executed---");
}
@AfterSuite
public void afterSuite() {
System.out.println("---- After Suite Is Executed
---");
}
@BeforeClass
public void beforeClass() {
System.out.println("--- Before Class Is Executed
---");
}
@AfterClass
public void afterClass() {
System.out.println("--- After Class Is Executed
---");
}
@BeforeMethod
public void setUpBeForEachTest() { System.out.println("--- Before Method Is
Executed ---");
}
@AfterMethod
public void tearDownAfterEachTest() { System.out.println("---After Method Is
Executed
---");
}
@Test
public void testOne() {
System.out.println("-- Test 1 method is executed
! --");
}
@Test
public void testTwo() {
System.out.println("-- Test 2 method is executed
! --");
}
@Test
public void testThree() {
System.out.println("-- Test 3 method is executed
! --");
}
}
}

```