

AUTOMATION USING TESTNG SOURCE CODE

# 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](http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd)">

<html xmlns="https://[www.w3.org/1999/xhtml](http://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 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. 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

// 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();

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://mave](http://maven.apache.org/POM/4.0.0)n[.apache.org/POM/4.0.0](http://maven.apache.org/POM/4.0.0)" xmlns:xsi=["h](http://www.w3.org/2001/XMLSchema-instance)t[tp://www.w3.org/2001/XMLSchema-instance"](http://www.w3.org/2001/XMLSchema-instance)

xsi:schemaLocation=["http:](http://maven.apache.org/POM/4.0.0)/[/maven.apache.org/POM/4.0.0](http://maven.apache.org/POM/4.0.0) [http://maven.apache.org/xsd/maven-4.0.0.xsd"](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](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

<h2>Methods run, sorted chronologically</h2><h3>&gt;&gt; means before, &lt;&lt; means after</h3><p/><br/><em>Default suite</em><p/><small><i>(Hover the method name to see the test class name)</i></small><p/>

<table border="1">

<tr><th>Time</th><th>Delta (ms)</th><th>Suite<br>configuration</th><th>Test<br>conf iguration</th><th>Class<br>configuration</th><th>Groups< br>configuration</th><th>Method<br>configuration</th><th

>Test<br>method</th><th>Thread</th><th>Instances</th></t r>

<tr bgcolor="88d8b8"> <td>21/05/28 23:09:36</td>

<td>0</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.launchChromeTest() [pri:0, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">launchChromeTest</td>

<td>main@1158258131</td> <td></td> </tr>

<tr bgcolor="88d8b8"> <td>21/05/28 23:09:47</td>

<td>10899</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.testSimplilearnHom ePageTitle()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">testSimplilearnHomePageTitle</td>



<td>main@1158258131</td> <td></td> </tr>

<tr bgcolor="88d8b8"> <td>21/05/28 23:09:47</td>

<td>10912</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.testSimplilearnLog in()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">testSimplilearnLogin</td>

<td>main@1158258131</td> <td></td> </tr>

</table>

# 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;<a target='mainFrame'

href='methods.html'>chronological</a><br/> &nbsp;&nbsp;<a target='mainFrame' href='methods- alphabetical.html'>alphabetical</a><br/> &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><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 AssertException 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](http://www.amazon.in/).[amazon.in/"](http://www.amazon.in/); final String simplilearnURL =

"https://[www.simplilearn.com/"](http://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",chromeDrive 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

! --");

}

}

## \*\*\*\*\*\*THE END\*\*\*\*\*\*

**X**==========================**X**============================**X**