**AUTOMATION**

**USING TESTNG**

 **SOURCE CODE**

Prepared By: sumanth babu kankanala

# 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://maven.apache.org/POM/4.0.0"](http://maven.apache.org/POM/4.0.0) xmlns:xsi[="http://www.w3.org/2001/XMLSchema-instance"](http://www.w3.org/2001/XMLSchema-instance) xsi:schemaLocation[="http://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.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