# Seleinum L1 : Trend NXT Hands-on Assignments Estimated hours :3 PD’s

**Trend NXT URL Link :**

[https://wipro365.sharepoint.com/sites/ku-practice-](https://wipro365.sharepoint.com/sites/ku-practice-4052/Competency/SitePages/AutomationTesting/SELENIUM-L1.aspx) [4052/Competency/SitePages/AutomationTesting/SELENIUM-L1.aspx](https://wipro365.sharepoint.com/sites/ku-practice-4052/Competency/SitePages/AutomationTesting/SELENIUM-L1.aspx)

# ToC :

## Selenium 101 :

* Build Tools, Getting started with SelIDE, Intro, Junit, Junit Annotations, Locators, Practical, References, Selenium Components, Selenium RC, Test Reports, Theory

## Total Number of Hands on : 6

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| **Steps to be executed** | **Expected Result** | **Remarks** |
| Launch Open Cart application <https://demo.opencart.com/> | User must be able to launch the open cart application |  |
| Click on "Login" Link | Login page should be displayed |  |
| Enter Email Address and Password and click on "Login" Button. | User must be able to login into the OpenCart application | Should be data-driven (all columns from one excel) - Login.xls |
| Click on Logout Link. | The user should be logged out. |  |

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| **1. What is Selenium** |
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| **2. Selenium Component’s** |

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| * **Create a test case and word document explaining how to use selenium GRID for parallel test case execution.** | | | | | |
| **3. Selenium IDE** | | | | | |
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|  | **S.No** | **Scenario / Object to be recognized** | **CSS Path** | **X path** |  |
|  | **Home Page** | Launch Home Page - Recognize login link | div.container div.nav.pull-right ul.list-inline li.dropdown.open:nth-child(2) ul.dropdown-menu.dropdown-menu-right li:nth-child(2) > a:nth-child(1) | //a[@href='https://demo.opencart.com/index.php?route=account/login'] |
|  |  | Samsung Galaxy Tab 10.1 Image | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(8) div.product-layout.product-grid.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(2) div.product-thumb div.image:nth-child(1) a:nth-child(1) > img.img-responsive | //\*[@id="content"]/div[3]/div[2]/div/div[1]/a/img |
|  |  | First three Images under Featured |  |  |
|  |  | <Image 1>(MacBook) | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(4) div.product-layout.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(1) div.product-thumb.transition div.image a:nth-child(1) > img.img-responsive | //\*[@id="content"]/div[2]/div[1]/div/div[1]/a/img |
|  |  | <Image 2>(iPhone) | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(4) div.product-layout.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(2) div.product-thumb.transition div.image a:nth-child(1) > img.img-responsive | //\*[@id="content"]/div[2]/div[2]/div/div[1]/a/img |
|  |  | <Image 3>(Apple Cinema 30\*) | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(4) div.product-layout.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(3) div.product-thumb.transition div.image a:nth-child(1) > img.img-responsive | //\*[@id="content"]/div[2]/div[3]/div/div[1]/a/img |
|  |  | First three Add to cart button under featured |  |  |
|  |  | <Add to cart1> | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(4) div.product-layout.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(1) div.product-thumb.transition div.button-group > button:nth-child(1) | //\*[@id="content"]/div[2]/div[1]/div/div[3]/button[1] |
|  |  | <Add to cart2> | div.container:nth-child(4) div.row div.col-sm-12 div.row:nth-child(4) div.product-layout.col-lg-3.col-md-3.col-sm-6.col-xs-12:nth-child(2) div.product-thumb.transition div.button-group > button:nth-child(1) | //\*[@id="content"]/div[2]/div[2]/div/div[3]/button[1] |
|  |  | <Add to cart3> |  | //\*[@id="content"]/div[2]/div[3]/div/div[3]/button[1] |
|  |  | First three product name from hrader bar (eg. Desktop, ..) |  |  |
|  |  | <Product 1>(Desktop) | div.container:nth-child(3) nav.navbar div.collapse.navbar-collapse.navbar-ex1-collapse ul.nav.navbar-nav li.dropdown:nth-child(1) > a.dropdown-toggle | //\*[@id="menu"]/div[2]/ul/li[1]/a |
|  |  | <Product 2>(Laptops & Notebooks) | #menu > div.collapse.navbar-collapse.navbar-ex1-collapse > ul > li:nth-child(2) > a | //\*[@id="menu"]/div[2]/ul/li[2]/a |
|  |  | <Product 3>(Components) | div.container:nth-child(3) nav.navbar div.collapse.navbar-collapse.navbar-ex1-collapse ul.nav.navbar-nav li.dropdown:nth-child(3) > a.dropdown-toggle | //\*[@id="menu"]/div[2]/ul/li[3]/a |
| **4. Selenium WebDriver** | | | | | |

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| **Step\_No** | **Steps to be executed** | **Expected Result** |
| Step 1 | Launch Open Cart application <https://demo.opencart.com/> | User must be able to launch the open cart application |
| Step 2 | Click on "Login" Link | Login page should be displayed |
| Step 3 | Enter Email Address and Password and click on "Login" Button. | User must be able to login Open Cart application |
| Step 4 | Enter the key word in search text box on top right of the page. Hit Enter button only and no icon click | The user should be able to enter search criteria  and all the products should be displayed of type searched key word. |
| Step 5 | Select "Monitors" under Components in the drop down. Check "Search in sub categories" and click Search | The queried products should be displayed of that subcategory |
| Step 6 | Click on "Phones and PDA's" tab. | "Phones and PDA's" Page must be displayed with the products |
| Step 7 | Sort from the "Price (High > Low)" for the page. | Highest Priced phones should be listed on the top and the lowest priced should be listed below |
| Step 8 | Click on "Add to Compare " for the first three phones" and click on Close button | Success message is displayed for the first three phones respectively. |
| Step 9 | Click on "Product Compare" | Product Comparison page is displayed with the selected three phones. |
| Step 10 | Click on the first phone link on the page. | Phone's information is displayed in the page redirected. |
| Step 11 | Check the fifth feature in the description section of the phone and write into flat file. | Flat file has to be opened and information has to be saved. |
| Step 12 | Click on "Add to Cart". | Page with message “You have added the phone" must be displayed. |
| Step 13 | Click on "Shopping Cart" displayed on ribbon message | Shopping cart page is displayed with all the products added to the cart |
| Step 14 | Click on Check out button. | Check out page is displayed. |
| Step 15 | Click on Continue buttons (2nd, 3rd and 4th) | Final Step 5 - Payment method is displayed |
| Step 16 | Check the Terms and Conditions Checkbox and click Continue | Order Tab should be opened |
| Step 17 | Click Confirm Order | Order has been processed should be displayed |
| Step 18 | Click on browser Back button | Shopping cart should be empty |
| Step 19 | Click on "Order history " from "My account "tab | "Order History" page has to be displayed. |
| Step 20 | Click on "Subscribe to newsletters". | "Newsletter Subscription" page is displayed. |
| Step 21 | Click on Extras -> Specials in the footer | Special Offers page should be displayed with at least 2 products |
| Step 22 | Click on List (or) Grid whichever is enabled | The display should toggle |

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| Step 23 | Click on "Logout " | The user should be logged out. |

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| **5. Locators in Selenium** | | | | | |
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|  | **S.No** | **Scenario / Object to be recognized** | **CSS Path** | **X path** |  |
|  | **Account Login** | Email Address Text Box | #input-email | //input[@id='input-email'] |  |
|  |  | Email Address Label | div.container:nth-child(4) div.row div.col-sm-9 div.row div.col-sm-6:nth-child(2) div.well form:nth-child(3) div.form-group:nth-child(1) > label.control-label | //\*[@id="content"]/div/div[2]/div/form/div[1]/label |  |
|  |  | Login button | div.container:nth-child(4) div.row div.col-sm-9 div.row div.col-sm-6:nth-child(2) div.well form:nth-child(3) > input.btn.btn-primary:nth-child(3) | //\*[@id="content"]/div/div[2]/div/form/input |  |
|  |  | Both Login links (one on the header and the another on the right pane) | div.container:nth-child(4) div.row aside.col-sm-3.hidden-xs div.list-group > a.list-group-item:nth-child(1) | //\*[@id="column-right"]/div/a[1] |  |
|  | **My Account (After Login)** | Both Logout links(one on the header and another on the right pane) |  | //\*[@id="column-right"]/div/a[13] |  |
|  |  | Edit your account information link. | div.container:nth-child(4) div.row div.col-sm-9 ul.list-unstyled:nth-child(2) li:nth-child(1) > a:nth-child(1) | //\*[@id="content"]/ul[1]/li[1]/a |  |
|  |  | Modify your address book entries link. | div.container:nth-child(4) div.row div.col-sm-9 ul.list-unstyled:nth-child(2) li:nth-child(3) > a:nth-child(1) | //\*[@id="content"]/ul[1]/li[3]/a |  |
|  |  | Subscribe / unsubscribe to newsletter link | div.container:nth-child(4) div.row div.col-sm-9 ul.list-unstyled:nth-child(8) li:nth-child(1) > a:nth-child(1) | //\*[@id="content"]/ul[4]/li/a |  |
|  |  | Three Currency icon(Dollar, Euro, Pound sterling) | div.container div.pull-left form:nth-child(1) div.btn-group:nth-child(1) > button.btn.btn-link.dropdown-toggle | //\*[@id="form-currency"]/div/button |  |
| **6. Junit Framework** | | | | | |
| * **You should use below Junit annotations**   1. **@Test**   2. **@Before**   3. **@After**   4. **@BeforeClass**   5. **@AfterClass**   **Step\_No Steps to be executed Expected Result**  Launch Open Cart application <https://demo.opencart.com/> User must be able to launch the open cart Step 1 application  Step 2 Click on "Login" Link Login page should be displayed  Step 3 Enter Email Address and Password and click on "Login" Button. User must be able to login Open Cart application  User must enter the name of the product to be Step 4 Enter the key word in search text box on top right of the page. searched.  Step 5 Click on "Canon" image searched. Canon product should be displayed with details.  User must enter the required quantity of the  Step 6 Change the quantity in the edit box products needed.  Step 7 Click on the "Add to Cart" button Success message ribbon should be displayed. Shopping cart page is displayed with all the  Step 8 Click on "Shopping Cart" displayed on ribbon message products added to the cart  The total value of the product selected must be  Step 9 Fetch the value of the "Total "and place it to a flat file captured.  The user must be able to click on the Continue Shopping button and navigated to purchase  Click on "Continue Shopping" button if the amount fetched is less than more products if the value is <$200 else he Step 10 "$200" else log out. should be logged out successfully. | | | | | |

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