**Locators Examples**

1. By Xpath: It is the locators to find the objects in the HTML DOM of the web page there are multiple ways to create the xpath elements.

**Xpath=//tagname[@attribute='value']**

1. **Use of ‘/’ and “//”**

Single Slash is used to locate the first immediate child iniside any hierarchy of the DOM

E.g. div/ul : will identify the first element in the hierarchy , shown as highlighted on below

<div>

<ul>

<ul>

<li>

<li>

<ul>

Double Slash will match with all the ul element as highlighted below

<div>

<ul>

<ul>

<li>

<li>

<ul>

1. **Indexed Xpath**

Xpath can also be identified as per the index of the objects as shown below

.//\*[@id='navbar-brand-centered']/ul[1]/li[1]/a

Here in above example “\*” matches with all the object matching with that description irrespective of the TAG of the objects

1. **Xpath based on Labels using contains**

.//\*[@id='navbar-brand-centered']//a[contains(.,'Input Forms')]

.//\*[@id='navbar-brand-centered']//a[contains(.,'Date pickers')]

.//\*[@id='navbar-brand-centered']//a[contains(.,'Table')]

.//a[contains(.,'Demo Home')]

1. **Xpath based on Contains Text**

//\*[@id="treemenu"]//a[contains(text(),'All Examples')]

1. **Xpath for Table elements**

//\*[@id="myTable"]/tr[1]/td[2]

//tbody[@id="myTable"]/tr[1]/td[2]

1. **Xpath based on other objects reference**
   1. **First following-sibling and second**

//h2//following-sibling::p[1]

//h2//following-sibling::p[2]

* 1. **Parent**

//\*[@id="myTable"]//tr[1]

//\*[@id="myTable"]//tr[1]//..//

//\*[@id="myTable"]//tr[1]//parent::tbody

* 1. **Ancestor**

//\*[@id="myTable"]//tr[1]//ancestor::div

//\*[@id="myTable"]//tr[1]//ancestor::table

//\*[@id="myTable"]//tr[1]//ancestor::thead

**On Input Submit – based on the Label Name**

//\*[@id="contact\_form"]//fieldset//label[contains(.,'First Name')]//parent::div//following-sibling::div//input

//\*[@id="contact\_form"]//fieldset//label[contains(.,'First Name')]//parent::div//following-sibling::div//input

//\*[@id="contact\_form"]//fieldset//label[contains(.,'Last Name')]//parent::div//following-sibling::div//input[@name='email']

1. **. Css Selectors**

css=.primary-btn // . represents a class

css=.btn.primary-btn

css=.submit.primary-btn

css=#myTable tr:nth-child(1) #//Represent the ID

#user-message

#user-message label

#user-message[type='text']

XPATH: //input[@id='username']/following-sibling::input[1]  
CSS: .username + input

CSS: input[name='username']

input[name='login'][type='submit'] //more than one property