

Element Locators, TagName, Xpath and CSS Cheat Sheet

Different Element Locators available for Browser

Element Locator	Command for identifying elements	
ID	driver.findElement(By.id("IdName"))	
Name	driver.findElement(By.name("Name"))	
ClassName	driver.findElement(By.className("Element Class"))	
Tag Name	driver.findElement(By.tagName("HTML Tag Name"))	
Link Text	driver.findElement(By.linkText("LinkText"))	
Partial Link Text	driver.findElement(By.linkText("Partial LinkText"))	
CSS Selector	driver.findElement(By.cssSelector("css value"))	
XPATH	driver.findElement(By.xpath("XPath"))	

driver – Object/Instance of WebDriver

findElement – WebDriver method

By – Pre-defined Class in Selenium

id – Element locator/attribute

IdName – Locator value

Description	Xpath	CSS Selector
Whole WebPage	/html	html
Whole WebPage body	/html/body	body
image element	//img	img
Link	//a[@href = 'url']	a[href = 'url']
Direct Child	//div/a	div > a
Id	//tagName[@id='idValue']	tagName#idValue
Class	//tagName[@class='classValue']	tagName.Value of Class attribute
Attribute	//tagName[@attribute-name='value1']	tagName[attribute=Value of attribute]
Multiple Attributes	//input[@type='submit' and @name='btnLogin']	tagname[attribute1='value1'][attribute2='value2']
Contains	//*[contains(@type,'sub')]	<HTML tag><[attribute*=sub string]>
Starts with	//tagname[starts-with(@attribute, 'Start value')]	<HTML tag><[attribute^=prefix of the string]>
Ends with	//tagname[ends-with(@attribute, 'End value')]	<HTML tag><[attribute\$=suffix of the string]>
Matches	//*[matches(@type,'value')]	N/A
First Child	//ul[@id='list']/li[1]	ul#list li:first-child
Last Child	//ul[@id='list']/li[last()]	ul#list li:last-child
nth Child	//ul[@id='list']/li[3]	ul#list li:nth-child(3)
Text Value	//td[text()='textname']	N/A

Element preceding some sibling	//E2/preceding-sibling::E1	N/A
Sibling element immediately preceding	//E/preceding-sibling::*[1]	N/A
User interface element that is disabled	//E[@disabled]	E:disabled
Checkbox (or radio button) that is checked	//*[@checked]	*:checked
Text Value	//td[text()='textname']	N/A

Important Tagname and their Description

Tag Name	Specification	
	Defines an unordered list of items.	
<tr>	Defines a row of cells in a table.	
<title>	Represents title to an HTML document.	
<th>	Used for creates header of a group of cell in HTML table.	
<table>	Used to defines a table in an HTML document.	
<tbody>	Used for grouping table rows.	
<td>	Used for creates standard data cell in HTML table.	
	Used to grouping and applying styles to inline elements.	
<section>	Used to divide a document into number of different generic section.	
<select>	Used to create a drop-down list.	
<menu>	Used to display a unordered list of items/menu of commands.	
	Define a list item either ordered list or unordered list.	
<iframe>	Defines a inline frame that embedded external content into current web document.	
	Used to insert image into a web document.	
<input>	Define a get information in selected input	
<div>	Define a division part	
<body>	Defines a main section(body) part in HTML document	
 	Specific a single line break	
<button>	Specifies a press/push button	
<a>	Specific a anchor (Hyperlink)	