

Most Exhaustive

Selenium WebDriver Locators C# Cheat Sheet

XPath Locators

XPath Locator	Explanation
//img	image element
//img[@id='myId']	image element with @id= 'myId'
//img[@id!='myId']	image elements with @id not equal to 'myId'
//img[@name]	image elements that have name attribute
//*[contains(@id, 'Id')]	element with @id containing
//*[starts-with(@id, 'Id')]	element with @id starting with
//*[ends-with(@id, 'Id')]	element with @id ending with
//*[matches(@id, 'r')]	element with @id matching regex 'r'
//*[@name='myName']	image element with @name= 'myName'
//*[@id='X' or @name='X']	element with @id X or a name X
//*[@name="N"][@value="v"]	element with @name N & specified @value 'v'
//*[@name="N" and @value="v"]	element with @name N & specified @value 'v'
//*[@name="N" and not(@value="v")]	element with @name N & not specified @value 'v'
//input[@type="submit"]	input of type submit
//section[//h1[@id='hi']	returns <section> if it has an <h1> descendant with @id= 'hi'
//table[count(tr) > 1]	return table with more than 1 row
//*[.="t"]	element containing text 't' exactly
//a[contains(text(), "Log Out")]	anchor with inner text containing 'Log Out'
//a[not(contains(text(), "Log Out"))]	anchor with inner text not containing 'Log Out'
//a[@href="url"]	anchor with target link 'url'
//img*[1]	first child of element img
//ul/child::li	first child 'li' of 'ul'
//img[1]	first img child
//img*[last()]	last child of element img
//img[last()]	last img child
//img[last()-1]	second last img child
//input/following-sibling::a	'a' following some sibling 'input'
//a/following-sibling::*	sibling element immediately following 'a'
//input/preceding-sibling::a	'a' preceding some sibling 'input'
//input/preceding-sibling::*[1]	sibling element immediately preceding 'input'
//img[@id='MyId']::parent/*	the parent of image with id
//*[@id="TestTable"]//tr[3]//td[2]	cell by row and column
//td[preceding-sibling::td="t"]	cell immediately following cell containing 't' exactly
//td[preceding-sibling::td[contains(., "t")]]	cell immediately following cell containing 't'
//input[@checked]	checkbox (or radio button) that is checked
//a[@disabled]	all 'a' elements that are disabled
//a[not(@disabled)]	all 'a' elements that are not disabled
//a[@price > 2.50]	'a' with price > 2.5
//ul[*]	'ul' that has children

FindsBy Attributes

```
[FindsBy(How = How.Id, Using = "userName")]
[FindsBy(How = How.ClassName, Using = "panel other")]
[FindsBy(How = How.CssSelector, Using = "#userName")]
[FindsBy(How = How.LinkText, Using = "Automate Planet")]
[FindsBy(How = How.Name, Using = "webDriverCheatSheet")]
[FindsBy(How = How.PartialLinkText, Using = "Automate")]
[FindsBy(How = How.TagName, Using = "a")]
[FindsBy(How = How.XPath, Using = "//*[@id='pan']/div ")]
private IWebElement _myElement;
```

CSS Locators

CSS Locator	Explanation
ul#myId	'ul' element with @id= 'myId'
#myUniqueld	any element with @id= 'myId'
ul.myForm	'ul' element with @class = 'myForm'
.myForm.front	any element with @classes = 'myform' and 'front'
ul#myUniqueld > li	direct child element
ul#myUniqueld li	sub child element
ul[name = "automateName"][style = "style_name"]	'ul' element with attributes @name = 'automateName' and @style= 'style name'
ul[id = "myId"]	'ul' element with @id='myId'
ul[@id]	elements with @id attribute
*[name='N'][value='v']	elements with name N and specified value 'v'
ul[id ^= "my"]	all elements with an attribute beginning with 'my'
ul[id\$= "Id"]	all elements with an attribute ending with 'Id'
ul[id *= "unique"]	all elements with an attribute containing the substring 'unique'
ul[id ~= "unique"]	all elements with an attribute containing the word 'unique'
ul#myUniqueld li:first-child	first child element
ul#myUniqueld li:nth-of-type(1)	first child element
ul#myUniqueld li:last-child	last child element
ul#myUniqueld li:nth-of-type(3)	last child element
div > p	all <p> elements that are a direct descendant of a <div> element
div + p	all <p> elements that are the next sibling of a <div> element (i.e. placed directly after)
div ~p	all <p> elements that follow, and are siblings of <div> elements
a:link	all unvisited links
a:visited	all visited links
a:hover	all links on mouse hover
input:active	every active <input> element
input:disabled	every disabled <input> element
input:enabled	every enabled <input> element
input:focus	the <input> element which has focus
input:read-only	<input> elements with the 'readonly' attribute specified
input:required	<input> elements with the 'required' attribute specified
input:checked	checkbox (or radio button) that is checked
form myForm.front + ul	next sibling
a:contains("Log Out")	anchor with inner text containing 'Log Out'
a[href='url']	anchor with target link 'url'
#TestTable tr:nth-child(3) td:nth-child(2)	cell by row and column (e.g. 3rd row, 2nd column)
td:contains('t') ~td	cell immediately following cell containing 't'
p:lang(language)	all <p> elements with a @lang attribute equal to 'language'

Default FindElement

```
_driver.FindElement(By.Id("userName"));
_driver.FindElement(By.ClassName("panel other"));
_driver.FindElement(By.CssSelector("#userName"));
_driver.FindElement(By.LinkText("Automate The Planet"));
_driver.FindElement(By.Name("webDriverCheatSheet"));
_driver.FindElement(By.PartialLinkText("Automate"));
_driver.FindElement(By.TagName("a"));
_driver.FindElement(By.XPath("//*[@id='panel']/div/h1"));
```