Selenium XPATH & CSS Selectors

Attributes:

XPATH	CSS Selectors	Details
//*[@id="id"]	#id	Id attribute
//*[@class="class"]	.class	Class attribute
//input[@type="submit"]	input[type="submit"]	Other attributes
//a[starts-with(@href, '/')]	a[href^='/']	Attributes value starts-with
//a[ends-with(@href, '.pdf')]	a[href$='pdf']	Attributes value ends-with
//a[contains(@href, '://')]	a[href*='://']	Attributes value contains
//button[text()="Submit"]	Text Match	Element text

Multiple attributes:

//a[@id="abc"][@for="xyz"]	a#abc[for="xyz"]	Multiple attributes

Descendants:

//ul/li	ul > li	Immediate child element
//ul/li/a	ul > li > a	Chaining child
//div/*	div > *	Wild card child / all Childs
//[@id="list"]//a	NA	Grand child

Order:

//ul/li[1]	ul > li:first-of-type	First child
//ul/li[2]	ul > li:nth-of-type(2)	Second child
//ul/li[last()]	ul > li:last-of-type	Last child
//li[1][@id="id"]	li#id:first-of-type	First element with same attribute value

Functions:

//[starts-with(name(), 'h')]	Element/Tag name
//table[count(tr)=1]	Count of child elements
//ol/li[position()=2]	Position of element
//button[not(starts-with(text(),"Submit"))]	Logical not condition

OTHER FUNCTIONS:

concat(x,y)
substring(str, start, len)
substring-before("01/02", "/") #=> 01
substring-after("01/02", "/") #=> 02
normalize-space()
string-length()

AXES:

//ul/ancestor-or-self::li	
//ul/descendant-or-self::li	ul li
//ul/following-sibling::li	ul ~ li
//ul/child::li	ul > li

Other AXES:

ancestor
ancestor-or-self
descendant
descendant-or-self
self
parent
following
following-sibling
preceding
preceding-sibling