

CSS selectors and Xpath

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CSS selectors

CSS Selector – Tag and ID

`css=tag#id`

CSS Selector – Tag and Class

`css=tag.class`

CSS Selector – Tag and Attribute

`css=tag[attribute=value]`

CSS Selector – tag, class, and attribute

`css=tag.class[attribute=value]`

CSS Selector – inner text

`css=tag:contains("inner text")`

Xpath

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

Examples

`Xpath=//input[@type='text']`

`Xpath= //label[@id='message23']`

`Xpath= //input[@value='RESET']`

`Xpath=//*[@class='barone']`

`Xpath=//a[@href='http://demo.guru99.com/']`

`Xpath= //img[@src='//cdn.guru99.com/images/home/java.png']`

`Xpath=//*[contains(@name,'btn')]`

`Xpath=//*[contains(text(),'here')]`

`Xpath=//*[contains(@href,'guru99.com')]`

Or condition

`Xpath=//*[@type='submit' or @name='btnReset']`

And condition

`Xpath=//input[@type='submit' and @name='btnLogin']`

Starts with

`Xpath=//label[starts-with(@id,'message')]`

Text

`Xpath=//td[text()='UserID']`

XPath Axes

An axis represents a relationship to the context (current) node, and is used to locate nodes relative to that node on the tree.

AxisName	Result
ancestor	Selects all ancestors (parent, grandparent, etc.) of the current node
ancestor-or-self	Selects all ancestors (parent, grandparent, etc.) of the current node and the current node itself

attribute	Selects all attributes of the current node
child	Selects all children of the current node
descendant	Selects all descendants (children, grandchildren, etc.) of the current node
descendant-or-self	Selects all descendants (children, grandchildren, etc.) of the current node and the current node itself
following	Selects everything in the document after the closing tag of the current node
following-sibling	Selects all siblings after the current node
namespace	Selects all namespace nodes of the current node
parent	Selects the parent of the current node
preceding	Selects all nodes that appear before the current node in the document, except ancestors, attribute nodes and namespace nodes
preceding-sibling	Selects all siblings before the current node
self	Selects the current node