8 Find Elements in selenium-id, name, xpath, cssselector, class name, link text, partial link text, tagname

Xpath types🡪18 methods is must in that----5 methods basic methods

Important-----XPATH(XML Path)

Static xpath:

//\*[@id="email"]

//\*[@id="email"]

**Dynamic xpath:**

**//\*[@id="u\_0\_5\_8F"]**

**//\*[@id="u\_0\_5\_cC"]**

**//\*[@id="u\_0\_5\_bN"]**

**//\*[@id="u\_0\_5\_yE"]**

**/html/body/div[1]/div[1]/div[1]/div/div/div/div[2]/div/div[1]/form/div[2]/button**

**Xpath Types:**

**AbsoluteXpath:**(static)--🡪HTML Open Tag--🡪Root of the DOM-🡪starts single /

/html/body/div[1]/div[1]/div[1]/div/div/div/div[2]/div/div[1]/form/div[2]/button

**RelativeXpath:** (static& dynamic)---ID, Name, ClassName--🡪mid of the DOM--🡪start with //

//\*[@id="email"]

Dynamic------not static & changing always (Reference Xpath)

HTML DOM Properties-HTML TAG, DIV, NODE, CLASS, Heading H2, H3, Text

DOM-Document object model

**Parts of HTML DOM(Document Object Model):**

Tag name-purple

Attribute name-orange

Attribute value-blue

Text-black

Ctrl+f - Xpath Search method

Xpath Finding Methods:(By using Relative Xpathmethods) | XML Path

1.Attribute name, 2.Text, 3.Contains by Attribute name, 4.Contains by Text, 5.Index

**1.Attribute Name:**

//tagname[@attributename=’attributevalue’]

//input[@placeholder='Email address or phone number']

//input[@type='password']

@-current attribute in current node

Ex:-//input[@placeholder='Email address or phone number']

//input[@value='Search']//following::input[@id='ContentPlaceHolder1\_but\_insert']

**2.Text:**

//tagname[text()=’full text’]

//a[text()='Forgotten password?']

Ex:-//a[text()=’create a page’]

**3.Contains:**

**Contains with Attribute name**// Attribute value is lengthy

//tagname[contains(@attributename,’half of the attributevalue’)]

Ex:- //input[contains(@placeholder,'Email')] //must part of text

//input[contains(@placeholder,'Email address or phone number')] // can use full text also

//input[contains(@placeholder,'phone number')]

//input[contains(@placeholder,'Email address')]

**Contains with Text:**

//tagname[contains(text(), ’half of the text’)]

Ex:- //h2[contains(text(),'Facebook')]

//h2[contains(text(),'Facebook helps')]

//h2[contains(text(),'connect and share')]

//h2[contains(text(),'your life')]

//a[contains(text(),'password?')]

//\*[@id="u\_0\_2\_is"]/div[3]/a

**Index:** Attribute name, Text, Contains(attribute name, text)

(//tagname[Any Kind])[index]

(//input[@type='submit'])[3]

Ex:-(//input[contains(@data-testid,'royal')][2]

(//input[@type='submit'])[2]

(//a[@class='level1 static'])[8]

(//input[@type='submit'])[3]

(//a[@class='level1 static'])[17]

Attribute Name

Text

Contains(Attribute name)

Contains(text)

Index

Xpath finding Tool:

Chropath

Xpath finder

Selectors hub-----14 tools top 3

//input[@Value='Update']//preceding::input[@Value='Search']

//\*[@id='ContentPlaceHolder1\_Menu1']//ancestor::a[text()='DISPATCH']

//\*[@name='ctl00$ContentPlaceHolder1$but\_search']//following-sibling::input[@value='Update']

**Child:**

//td[@class='style3']//child::input[@value='Add\_Supplier']

**Preceding:**

//input[@name='txt\_pass']//preceding::input[@id='txt\_unam']

//input[@id='ContentPlaceHolder1\_Button1']

Contains or & and

(//input[@type='submit' or @name='ctl00$ContentPlaceHolder1$but\_update']

(//input[@type='submit' and @name='ctl00$ContentPlaceHolder1$but\_update']

**Starts with:**

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

**//input[starts-with(@placeholder,'Email address')]**

**Xpath using following method:**

**//input[@id='txt\_unam']//following::input[@type='password']**

**Xpath using preceding method:**

**//input[@value='LOGIN']//preceding::input[@value='RESET']**

**Xpath using following sibiling:**

**//input[@value='Search']//following-sibling::input[@value='Add\_Supplier']**

**Xpath using self:**

**//input[@type='password']//self::input[@id='txt\_pass']**