



PLAN





Introduction to Xpath

XML Document
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Syntax & Terminology

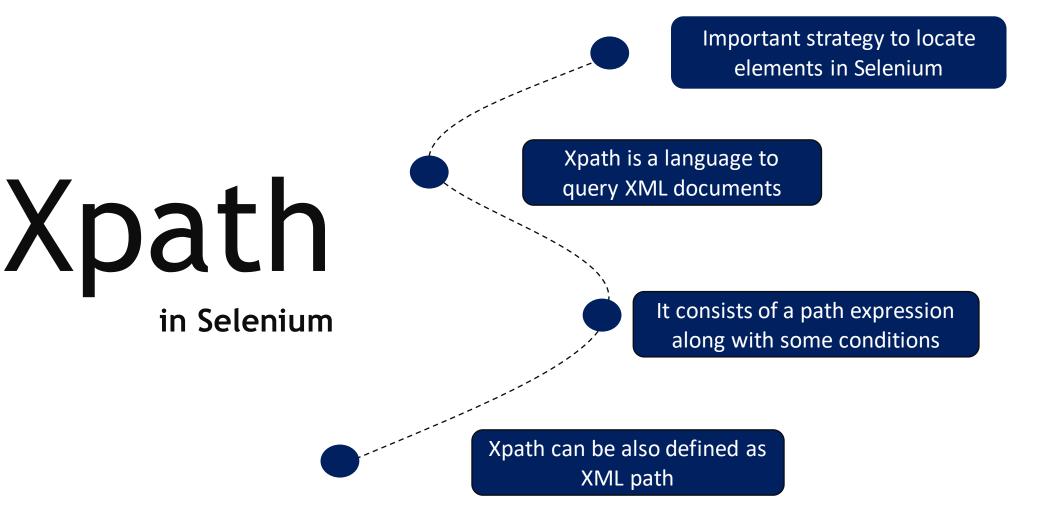
Types of Xpath

Xpath Functions



Introduction to Xpath





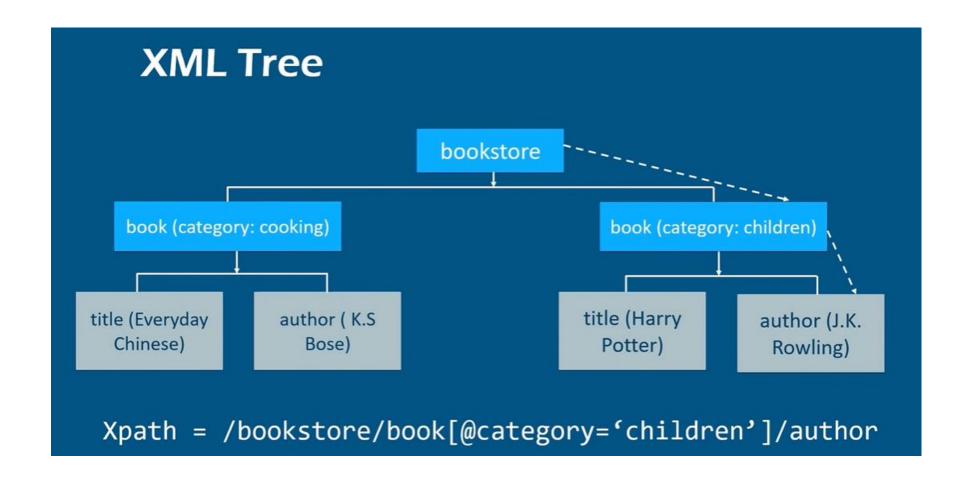


XML Document



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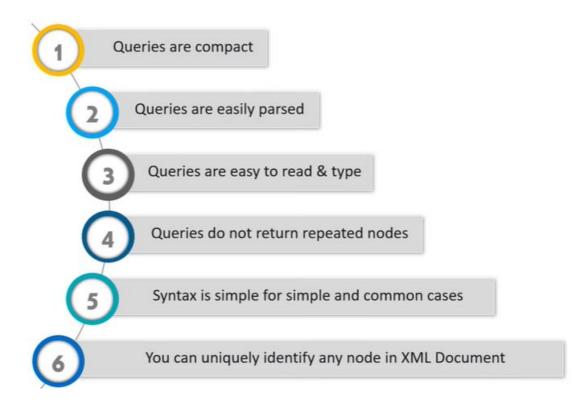






Benefits of Xpath

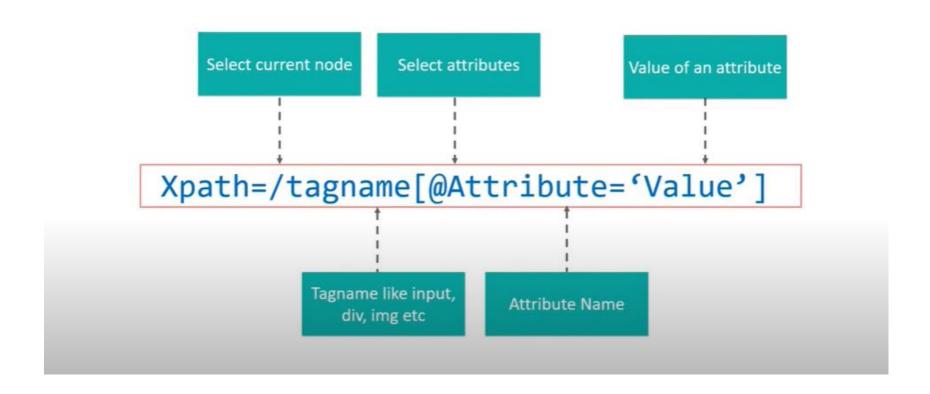






Syntax & Terminology







Types of Xpath



Absolute Xpath

Relative Xpath



Absolute Xpath

Relative Xpath

It is the direct way to find the element, but the disadvantage of the absolute XPath is that if there are any changes made in the path of the element then that XPath gets failed.

Ex: /html/body/div[1]/section/div[1]/div

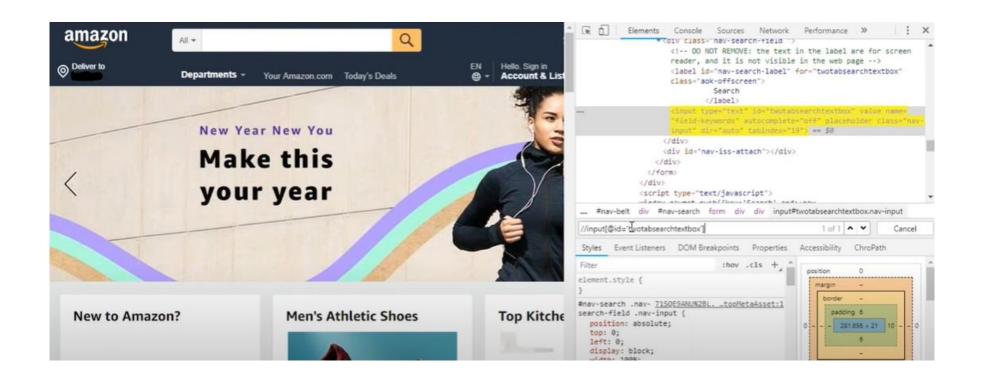
Absolute Xpath

Relative Xpath

For, Relative Xpath the path starts from the middle of the HTML DOM structure. It starts with the double forward slash (//), which means it can search the element anywhere at the webpage

Ex: //input[@id='ap_email']



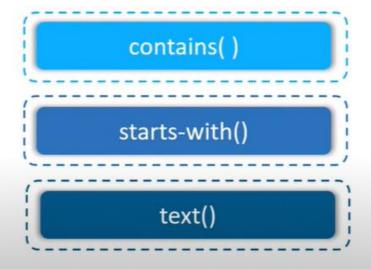


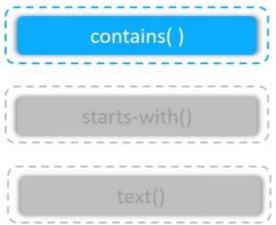


Xpath Functions



The most important functions:

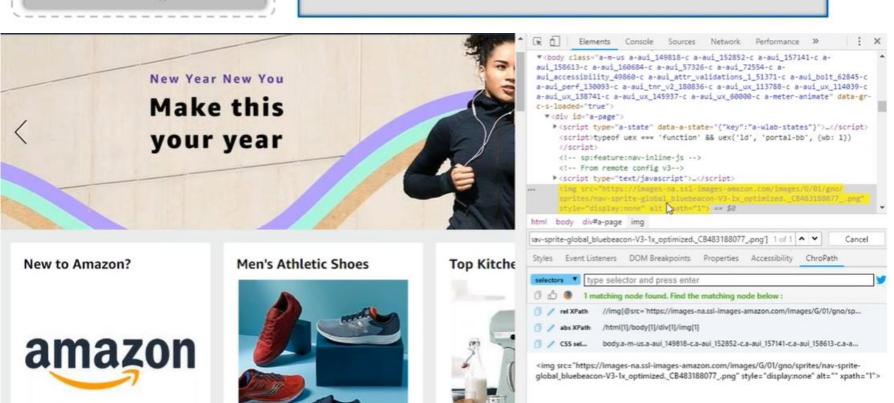




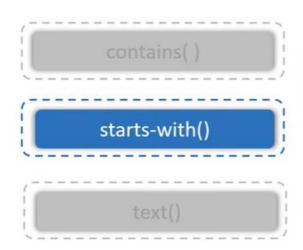
contains() is a method used in XPath expression. It is used when the value of any attribute changes dynamically, for example, login information.

Syntax:

Xpath=//*[contains(@type,'sub')]



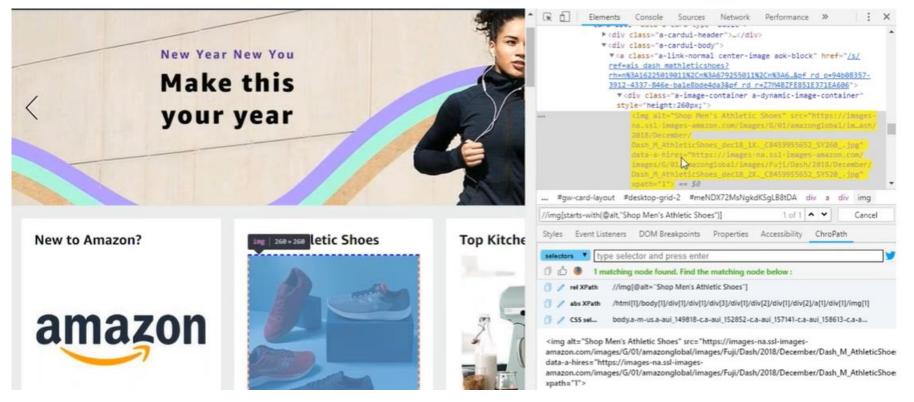




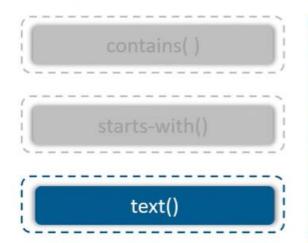
starts-with function finds the element whose attribute value changes on refresh or any operation on the webpage.

Syntax:

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







In this expression, with text function, we find the element with exact text match as shown below. In our case, we find the element with text "UserID".

Syntax:

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

