Xpath Grammar

1. <https://www.guru99.com/xpath-selenium.html>
2. <https://www.w3schools.com/xml/xpath_intro.asp>
3. <https://msdn.microsoft.com/en-us/library/ms256086(v=vs.110).aspx>
4. <https://www.w3.org/TR/1999/REC-xpath-19991116/>

.//input[@type='text' and not(@name='searchText' or @data-ng-readonly='true' or @readonly or @data-ng-model='i.text' or contains(@id,'company') or contains(@id,'userName') )] | .//textarea

//input[@type='text' and not(@name='searchText' or @data-ng-readonly='true' or parent::\* [@ng-hide] or @readonly or @disabled = 'disabled' or @data-ng-disabled='true' or @data-ng-model='i.text'or ancestor::\*[@ng-show = 'false'] or ancestor::\*[@style='display: none;'] or ancestor::\*[contains(@class, 'ng-hide')] or contains(@class, 'hasDatepicker') or ancestor::\*[contains(@class,'time-picker-container')])]

**XPath axes methods**:

1. preceding-sibling
2. following-sibling
3. preceding
4. child
5. ancestor
6. following
7. parent
8. self
9. descendant

* **Start-with function:**

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

* How to cancel an element from specific position

Xpath = .//div/button[@class = 'btn btn-multiselect ng-binding']//parent::div[contains(@class, 'open')] //child::div/ul/li[position()!=1] – There are multiple li element under ul. With the highlighted condition user can cancel the first li element

* Select first element with a specific attribute

<bookstore>

<category>

<book location="US">A1</book>

<book location="FIN">A2</book>

</category>

<category>

<book location="FIN">B1</book>

<book location="US">B2</book>

</category>

</bookstore>

/bookstore/category/book[@location='US'][1] yields

<book location="US">A1</book>

<book location="US">B2</book>

not "the first node that matches a more complicated condition". /bookstore/category/book[@location='US'][2] returns nothing.

With parentheses you can get the result the original question was for:

(/bookstore/category/book[@location='US'])[1] gives

<book location="US">A1</book>

and (/bookstore/category/book[@location='US'])[2] works as expected.