

```

1 package seleniumsessions;
2
3 public class CustomXpath {
4
5     public static void main(String[] args) {
6
7         //xpath: address of the element in html dom
8         //not an attribute
9
10        //1. absolute xpath: /
11        // /html/body/div/div[2]/ul/li[2]/div/div/input
12
13        //2. relative xpath/custom xpath: //
14
15        //htmltag[@attr='value']
16        //input[@name='email']
17        //input[@placeholder='E-Mail Address']
18        //input[@value='Login']
19
20        //htmltag[@attr1='value' and @attr2='value']
21        //input[@name='email' and @type='text']
22        //input[@name='email' and @type='text' and @placeholder='E-Mail Address']
23
24        //input[@name and @type and @placeholder]
25
26
27        //parent to child:
28        //direct: / --> only direct
29        //indirect: // --> direct+indirect
30
31        //form/input --> 3
32        //form//input --> 5
33        //div[@id='content']/h1
34        //div[@id='content']/form//input[@id='input-firstname']
35
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```

Parent to direct child - we can use one slash or double slash also.

```

35
36        //select[@id='Form_getForm_Country']/option
37
38

```

Text-

Grab by the visible text on web page.

```

36 //select[@id='Form_getForm_Country']/option
37
38 //text(): p, links, label, span, div, header h1 h2 h3
39 //htmltag[text()='value']
40 //h2[text()='New Customer']
41 //h2[text()='Returning Customer']
42 //a[text()='Register']
43 //label[text()='E-Mail Address']
44

```

Some code changes-

```

35
36 //select[@id='Form_getForm_Country']/option
37
38 //footer:
39 //footer//h5
40 //footer//a
41
42 //text(): p, links, label, span, div, header h1 h2 h3
43 //htmltag[text()='value']
44 //h2[text()='New Customer']
45 //h2[text()='Returning Customer']
46 //a[text()='Register']
47 //label[text()='E-Mail Address']
48
49 //text() and attribute:
50 //htmltag[@attr='value' and text()='value']
51 //label[@for='input-email' and text()='E-Mail Address']
52 //a[@class='list-group-item' and text()='Address Book']
53
54 //htmltag[text()='value' and @attr='value']
55
56 //htmltag[@attr1='value' and @attr2='value' and text()='value']
57
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59

```



```

58
59 //contains(): partial attribute , partial text value
60
61
62 //htmltag[contains(text(),'value')]
63 //h2[contains(text(),'Returning')]
64 //h2[contains(text(),'New')]
65 //p[contains(text(),'shop faster')]
66
67 //htmltag[contains(@attr,'value')]
68 //input[contains(@placeholder,'E-Mail')]
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69 //input[contains(@placeholder,'E-Mail')]
70 //htmltag[contains(@attr,value) and contains(text(),'value')]
71 //a[contains(@href,'account/order') and contains(text(),'Order')]
72
73 //htmltag[contains(@attr1,'value') and @attr2='value']
74 //a[contains(@href,'account/recurring') and @class='list-group-item']
75
76 //htmltag[contains(@attr1,'value') and @attr2='value' and contains(text(),'value')]
77 //a[contains(@href,'account/recurring') and @class='list-group-item' and contains(text(),'Recurring')]
78 //a[contains(@href,'?route=account/recurring') and @class='list-group-item' and contains(text(),'Recurring')]
79

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82
83 //dynamic attributes/text:
84
85 // <input id="firstname_123">
86 // <input id="firstname_345">
87 // <input id="firstname_567">
88
89 // <input name="first678name">
90 // <input name="first908name">
91
92 By.id("firstname_123"); //wont work
93 By.xpath("//input[contains(@id,'firstname_')]");
94
95 //<a>your order id is 12345</a>
96 By.xpath("//a[contains(text(),'your order id is')]");|
97
98
99

```

Added line 11 for timepass-

```
*CustomXPath.java
3= import org.openqa.selenium.By;
4= import org.openqa.selenium.WebDriver;
5= import org.openqa.selenium.chrome.ChromeDriver;
6
7 public class CustomXPath {
8
9=     public static void main(String[] args) {
10
11         WebDriver driver = new ChromeDriver();
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88
89     //<div>your order id is 12345</div>
90     By order = By.xpath("//a[contains(text(),'your order id is')]");
91     String orderText = driver.findElement(order).getText();
92     // orderText = your order id is 12345
93
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```

```
104     //starts-with():
105     //htmltag[starts-with(@attr,'value')]
106     //input[starts-with(@placeholder,'E-Mail')]
107
108     //htmltag[starts-with(text(),'value')]
109     //p[starts-with(text(),'By creating an account')]
110
```

```
111
112     //starts-with() and contains()
113     //htmltag[starts-with(text(),'value') and contains(@attr,'value')]
114     //a[starts-with(text(),'Recurring') and contains(@href,'?route=account/recurring')]
115
116     //ends-with(): NA in xpath:
117
```