

XPath Basics



Welcome
to
TestLeaf



- Multiple Floors
- Multiple Houses per floor

WebTable – How does it look?





- You need 2 inputs by minimum
 - *Which floor?*
 - *Which house?*

Assume if it is 4D

How will you locate a person in this apartment?





- You need to find the number of floors (rows)
- You need to find the number of houses (columns)
- Go to each house of the floor, house and find the number of the kids living within the house

Scenario: Find the count of kids in the apartment





- You will have to find him through his full address
- Then climb to the 2nd floor
- Go to the house, Find him

Absolute Path

Scenario: You are in Bangalore, your friend is in 2nd floor in Chennai apt?





- You will directly go to the house in 2nd floor

Relative Path

Scenario: You are standing in second floor, your friend is in 2nd floor?



Absolute xpath:

/html/body/div[6]/footer/div/div/div[1]/div[1]/ul/li[1]/a

```
- <footer>
  - <div class="footer-top">
    - <div class="container">
      - <div class="row small">
        - <div class="footerCols1">
          <h3> Get started </h3>
          - <ul class="unstyled">
            - <li>
              <a href="/resources"> Salesforce Platform </a>
            </li>
            + <li>
```

Absolute Xpath Signature



//<tagName>[@attributeName='value']

```
▼ <h1>  
▼ <a href="https://www.facebook.com/" title="Go to Facebook Home">  
  ▼ <i class="fb_logo img sp_-NykExE5Q03 sx_a7f409">  
    <u>Facebook logo</u>  
  </i>  
</a>
```

//a[@title='Go to Facebook Home']/i



Relative Xpath Signature



//<tagName>[starts-with(@attributeName, 'value')]

//<tagName>[ends-with(@attributeName, 'value')]

//<tagName>[contains(@attributeName, 'value')]

```
<link rel="stylesheet" type="text/css" href="http://z-ecx.images-amazon.c
chart.2. V163042906 .css">
▼ <div class="unified_widget" id="zgChart_ns_1R969W1FCTSEF32DHNJD_94_">
  ▼ <div class="zgChart">
    <h2>Bestsellers</h2>
    ► <div class="storeTitle">...</div>
    <div class="subheadText">
      Updated hourly
    </div>
```

//div[starts-with(@id, 'zgChart_ns_')]

Partial Xpath Signature



//h3[contains(text(), 'I want to learn about:']

```
▼ <aside class="sdn-aside-content learn-about clearfix">
  ::before
  <h3 class="sub-header">
    I want to learn about: </h3>
  ► <ul class="unstyled">...</ul>
  ::after
</aside>
```

contains



//p[@id='grid']/..

(or)

//p[@id='grid']/parent::*

```
▼ <body>
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p>Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p id="grid">Selenium Grid.</p>
  </a>
</body>
```

Go to Parent



//p[@id='rc']/following::button

```
▼ <body>
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

Following



//p[@id='rc']/following-sibling::p[2]

```
▼ <body>
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

Following Sibling



//p[@id='rc']/preceding::input[1]

```
▼ <body>
  <h1>Automation Testing</h1>
  <input type="radio">
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

Preceding



//p[@id='rc']/preceding-sibling::p

```
▼ <body>
  <h1>Automation Testing</h1>
  <input type="radio">
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

Preceding Sibling



//p[@id='rc']/preceding-sibling::p

```
▼ <body>
  <h1>Automation Testing</h1>
  <input type="radio">
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

Preceding Sibling



(//p[@class='sc'])[2]

```
▼ <body>
  <h1>Automation Testing</h1>
  <input type="radio">
  ▼ <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p class="sc">Selenium RC.</p>
    <p class="sc">Selenium WebDriver.</p>
    <p class="sc">Selenium Grid.</p>
  </a>
</body>
```

Select from list of same locator

