

## Locator Techniques

1. ID
2. NAME
3. TAGNAME
4. CLASSNAME
5. LINK TEXT
6. PARTIAL LINK TEXT
7. XPATH
  - a. Absolute - Complete xpath based on html source from html tag
  - b. Xpath with tagname and attributes - //tagname[@attribute='value']
  - c. Xpath without tagname - //\*[text()='value']
  - d. Contains - //\*[contains(@attribute,'value')]
  - e. Starts-with - //\*[starts-with(@attribute,'value')]
  - f. And - //\*[contains(@attribute,'value') and text()='value']
  - g. Or - //\*[@attribute='value' or @attribute='value']
  - h. Following - //\*[@attribute='value']/following::tagname
  - i. Ancestor/~~descendant~~ - //\*[@attribute='value']/ancestor::
  - j. Following-sibling - //\*[@attribute='value']/following-sibling::tagname
8. CSS



### Create an Account

#### Personal Information

First Name *	<input type="text"/>
Last Name *	<input type="text"/>
Email Address * ?	<input type="text"/>
My Company Primarily *	<div>Select Option ▼</div>

```
<div class="mag-field name-firstname field">
  <label for="firstname" class="required">First Name<em>*</em></label>
  <div class="input-box">
    <input type="text" id="firstname" name="firstname" value="" title="First Name"
class="input-text required-entry">
```

```

</div>
</div>
<div class="mag-field name-lastname field">
  <label for="lastname" class="required">Last Name<em>*</em></label>
  <div class="input-box">
    <input type="text" id="lastname" name="lastname" value="" title="Last Name" class="input-
text required-entry">
  </div>
</div>

```

To locate the first name column using different locators.

1. ID = firstname
2. NAME = firstname
3. TAGNAME = input (There are multiple input tags and hence this is not a good locator)
4. CLASSNAME = input-text / required-entry (But both of these class names are also available in last name field as you can notice below, Hence this is also not a good locator)
5. XPATH
  - a. Absolute Xpath = html/body/div[1]/div[2]/div/form/div[1]/ul/li[1]/div/div[1]/div/input
  - b. Using Attributes = `//*[@title='First Name']`
  - c. Using Text - `//label[text()='First Name']` (This will locate the label first name)
  - d. Contains - `//*[contains(@id,'firstname')]` – (This will locate the input box)
  - e. Starts With - `//*[starts-with(text(),'First')]` – (This will locate the label first name)
  - f. And - `//*[@id='firstname' and @name='firstname']`
  - g. Or - `//*[@id='firstname' or @name='firstname']`
  - h. Following - `//*[@id='firstname']/following::label` – lists down all the label tag following first name label in the above form – Last name, Email address, Mycompany primarily, etc  
`//*[@id='firstname']/following::label[contains(text(),'Last')]` – Locates the last name label