Selenium WebDriver

Handling Dropdown

The Golden Rule

What

What is a drop down?
WebElement which allows the users to select one or more options from a list of predefined values.
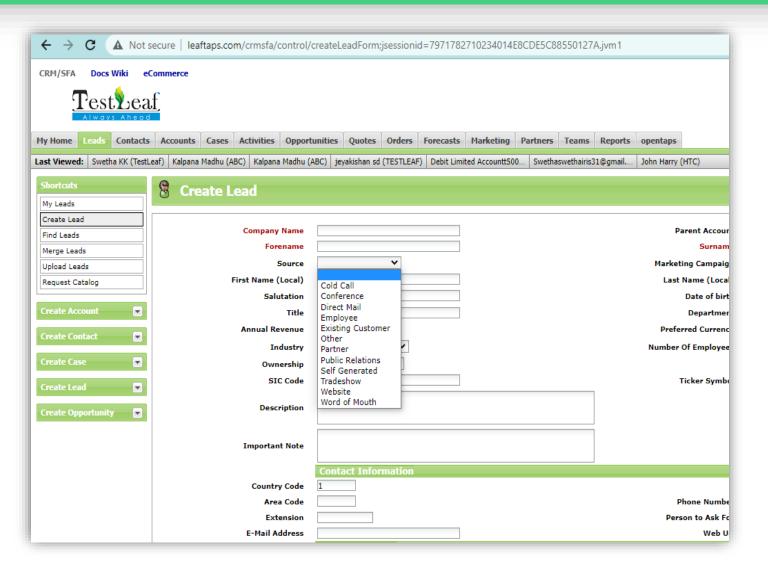
How

How to handle dropdown?
Using Select class in Selenium WebDriver

When

When to use?
Element in the DOM is identified with <select>

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How to handle Dropdown?

- ❖ **Dropdown elements are designed to select an option under a particular category.**
- ❖ **To handle dropdown , Selenium provides special class called Select class**

<select> structure in DOM

Represent the dropdown element

Represents the options to select under the given dropdown element

```
First name
Source
First Name (Local)
Salutation
Title
Annual Revenue
Industry
Ownership
SIC Code

Cold Call
Conference
Direct Mail
Employee
Existing Customer
Other
Partner
Public Relations
Self Generated
Tradeshow
Website
Word of Mouth
```

```
sole     Sources     Network     Performance     Memory     Application     Securi

<td id="ext-gen602">
<select class="inputBox" name="dataSourceId" id="createLeadForm_data
    <option value> </option>
    <option value="LEAD_COLDCALL">Cold Call</option>
    <option value="LEAD_CONFERENCE">Conference</option>
    <option value="LEAD_DIRECTMAIL">Direct Mail</option>
    <option value="LEAD_EMPLOYEE">Employee</option>
    <option value="LEAD_EXISTCUST">Existing Customer</option>
    <option value="LEAD_OTHER">Other</option>
    <option value="LEAD_PARTNER">Partner</option>
    <option value="LEAD_PR">Public Relations</option>
    <option value="LEAD_SELFGEN">Self Generated</option>
    <option value="LEAD_TRADESHOW">Tradeshow</option>
    <option value="LEAD_WEBSITE">Website</option>
    <option value="LEAD_WORDOFMOUTH">Word of Mouth</option>
</select>
```

How to use Select class?

1. Identify the element and confirm with <select>
2. Instantiate the Select class by passing the WebElement as argument to the constructor

Syntax:

Select options =new **Select** (WebElement);

(Select class should be imported from selenium.support.ui.Select)

Helper Methods

❑ **Select Class provides different methods to select the options from the dropdown**

M1: selectByIndex(index) ;

      ->uses index as input argument to select the option and the index starts from 0

M2: selectByVisibleText("text");

      ->uses the text (black colour) from DOM of that particular option

M3: selectByValue("value");

      ->uses value of the value attribute as input argument to the method

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Let's work on

Step:1 Locate the dropdown web element

Step:2 Instantiate Select class

Step:3 Call select class method to pick the option from dropdown

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Classroom : (Breakout)

1. Launch http://leaftaps.com/opentaps
2. Enter username as demoSalesManager
3. Enter password as crmsfa
4. Click on Login
5. Click on CRM/SFA
6. Click on Leads
7. Click on Create lead
8. Enter the mandatory fields
9. Select Employee in source dropdown using index
10. Select Automobile in MarketCampaign using visibleText
11. Select Corporation in Ownership using value
12. Click create
13. Verify the title

Quick Recall

- ✓ DOM Structure-DOM

- ✓ HTML Tags

- ✓ Locators and When to use?

- ✓ How to handle dropdown element

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