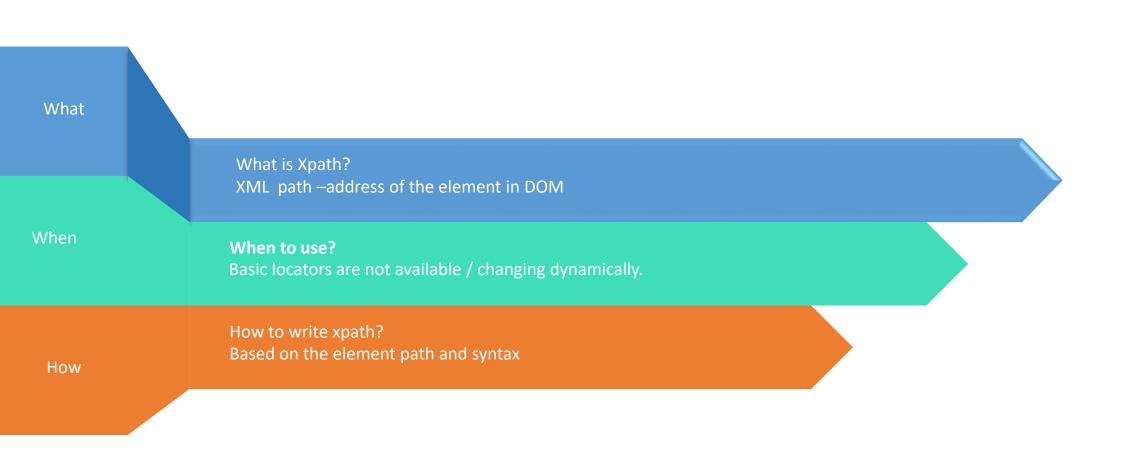
## Selenium WebDriver

XPATH
How? When?

## The Golden Rule



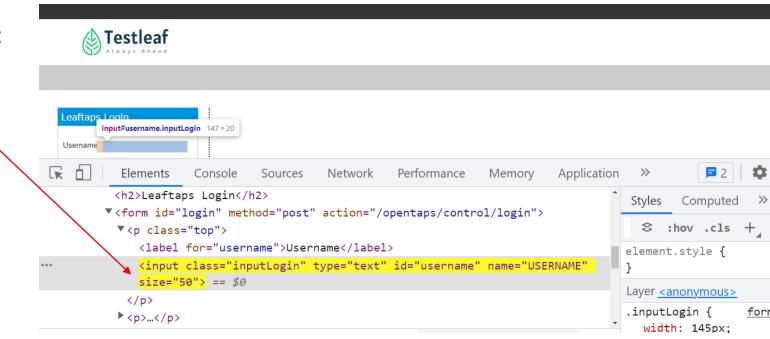
## Absolute Xpath

#### **Absolute Xpath**

- long path
- Starts from root tag(<html>) and ends at the target element tag.
- Starts with "/" and traverse through each and every tag in hierarchy to reach the required WebElement.

The syntax for the absolute xpath is /html/body/div[2]/div/div/form/p/input

-Rarely used because of unreliable

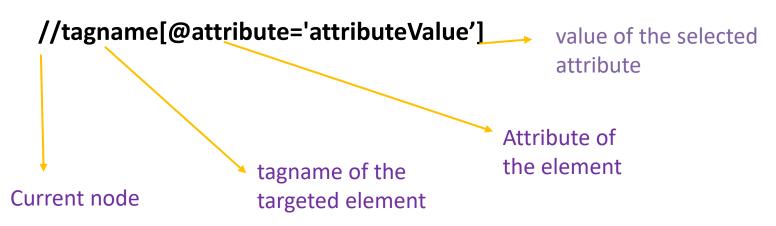


## Relative Xpath

#### **Relative XPath**

- \*works in relation with the WebElement location in the DOM. It goes directly to the address of the target WebElement.
- \*Relative XPath starts with the "//" which locates the inner or middle part of the DOM.

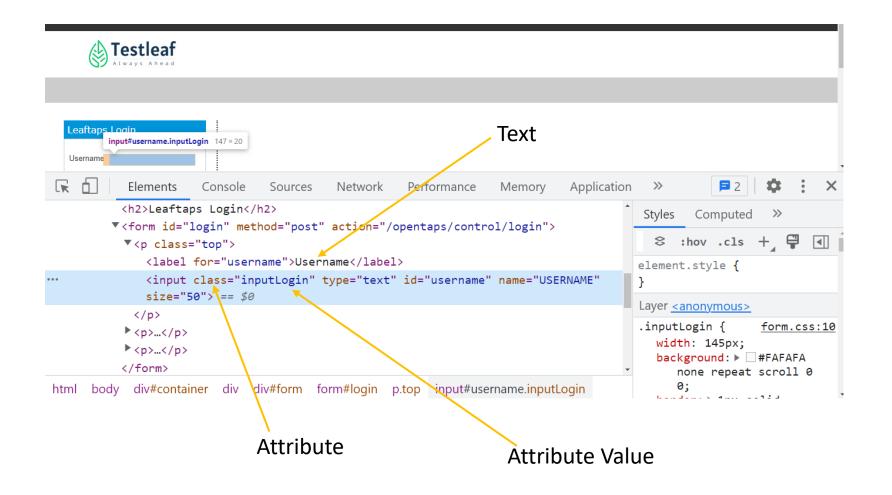
#### General syntax of the Relative xpath is:



## Types of Relative Locators

#### **Relative Locators**

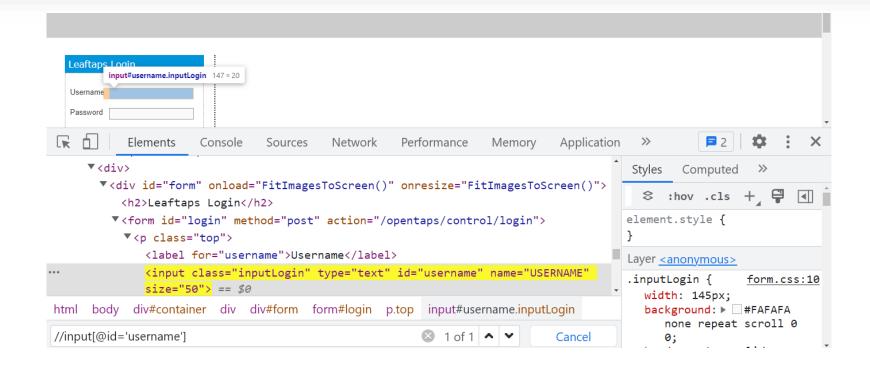
- Basic XPath
- Advanced XPath



## Basic Xpath – Attribute Based

#### **Attribute Based XPath:**

->uses the attribute and attribute value of the WebElement in the DOM.



```
Syntax:
//tagName[@attribute='attributeValue']
Example
//input[@id='username']
```

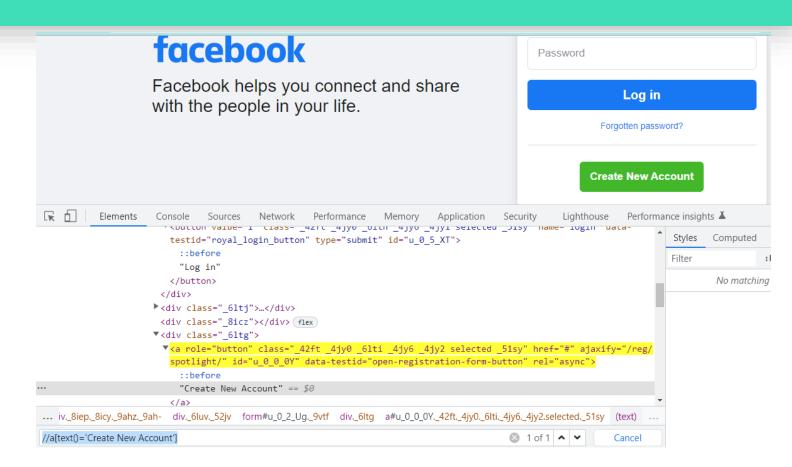
Contd...

## Basic Xpath – Text Based

#### **Text Based Xpath:**

->based on the text displayed for the WebElement in dom.

# Syntax: //tagName[text()='text value in DOM'] Example: //a[text()='Create New Account']



#### Contd..

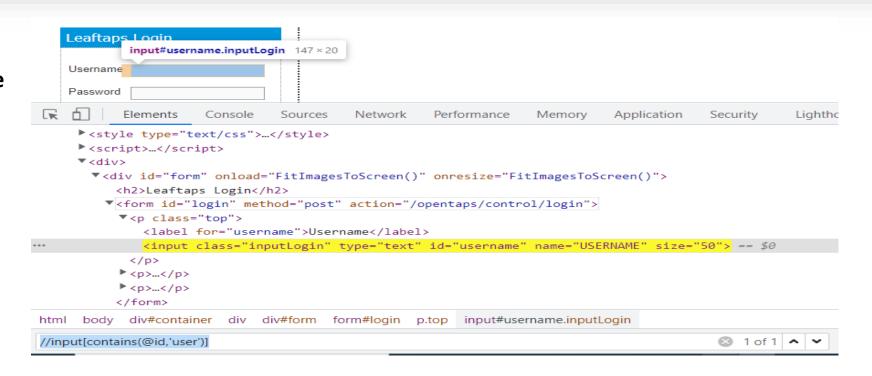
## Basic Xpath – Partial Match

#### **Partial attribute Based Xpath:**

=>uses the partial attribute value of the WebElement

\*Contains ->check for the given attribute

value with the value in DOM



#### Syntax:

//tagName[contains(@attribute, 'Partial value of the attribute')]

#### **Example:**

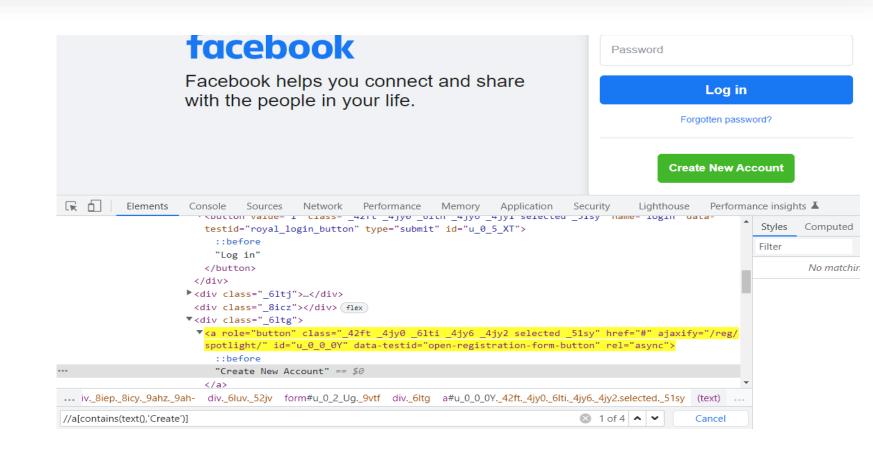
//input[contains(@id,'user')]

Contd..

## Basic Xpath – Partial Match

#### **Partial Text Based Xpath:**

->uses the partial text value of the WebElement



#### **Syntax:**

//tagname[contains(text(),' Partial text in my DOM' ')]

**Example:** 

//a[contains(text(),'Create')]

Contd...

## **Basic Xpath - Collection**

#### **Collection Based Xpath:**

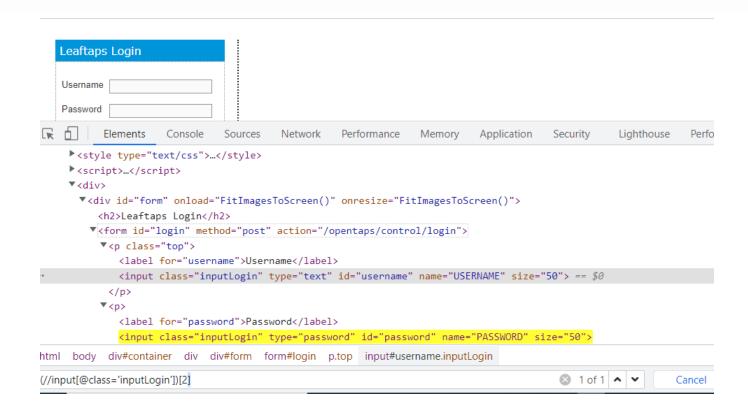
-> when there is multiple

matches of found for a xpath

->uses index to match the excact

element

->Index starts with 1



```
Syntax:

(//tagName[@attribute='attributeValue'])[index]

Example

(//input[@class='inputLogin'])[2]
```

## Summary

- Basic Xpath-What , when, How?
- 2 types- Absolute and Relative xpath
- Most recommended –Relative xpath

## Classroom (Breakout)

- 1. Launch http://leaftaps.com/opentaps
- 2. Enter username as demoSalesManager (Use: Attribute based)
- 3. Enter password as crmsfa (Use: Attribute based)
- 4. Click on Login (Use: Attribute based)
- 5. Click on CRM/SFA (Use Partial Text based xpath)
- 6. Click on Leads(Use Text based)