

Today's Topic: 27-02-2022

1. Locators

IQ- What is difference between findElement() and findElements()

- Locating an element in Selenium WebDriver is performed with the help of findElement() and findElements()

1. findElement():

- Return an WebElement object based on the specified search criteria or ends up with throwing an exception if it does not find any matching element

2. findElements():

- Return a list of WebElements matching with search criteria -If no elements are found then it will return empty.

2. Steps to find the locators/ Elements

1. Open the browser
2. Enter the URL
3. Right click on the Element/field (Eg. TextBox, Dropdown, button, link, etc) on which you want to perform the operation (Shortcut Key- F12)
4. Select the Inspect Option from the List
5. Select the Elements tab/section
6. Check the highlighted line

Different Ways to find the elements

IQ- What are different ways to find the WebElement?

1. ID
2. Name
3. Link Text
4. Partial Link Text
5. Tag Name
6. CSS Class
7. CSS Selector
8. XPATH

1. ID

- Locate the Element using ID attribute
- Syntax: `chromeDriver.findElement(By.id(<element ID>));`
Eg. `chromeDriver.findElement(By.id("txtUsername"));`

2. Name

- Locate the Element using Name attribute
- Syntax: `chromeDriver.findElement(By.name(<element Name>));`
- Example: `chromeDriver.findElement(By.name("txtUsername"));`

Identification of Tag name, attribute name and attribute value

OrangeHRM

opensource-demo.orangehrmlive.com/index.php/auth/login

(Username : Admin | Password : admin123)

Always use this tab to find /Inspect the Element

Tag Name

Attribute name

Attribute Value

Inspected User name field here

For User name field

Elements

```
<input type="hidden" name="_csrf_token" value="37ebf6434cf30dd2784f3df4b2519b52" id="csrf_token">
<div id="loginPanelHeading">LOGIN Panel</div>
<div id="divUsername" class="textInputContainer">
  <input name="txtUsername" id="txtUsername" type="text"> == $0
  <span class="form-hint">Username</span>
</div>
```

div#divLoginForm form#frmLogin div#divUsername.textInputContainer input#txtUsername

Console