

Today's Topic: 01-03-2022

1. Locators

Different ways to find the WebElement

1. ID

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

2. Name

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

3. Link Text

- Locate the Element using exact Link Text
- Syntax: `driverInstance.findElement(By.linkText(<element Name>));`
- Example: `chromeDriver.findElement(By.linkText("Tablets"));`

4. Partial Link Text

- Locate the Element using Partial Link Text
- Syntax: `driverInstance.findElement(By.partialLinkText(<element Name>));`
- Example: `chromeDriver.findElement(By.partialLinkText("item(s)"));`

5. Tag Name

- Locate the Element using Tag Name
- Syntax: `driverInstance.findElement(By.tagName(<element Name>));`
- Example: `chromeDriver.findElement(By.tagName("a"));`

6. CSS Class

- Locate the Element using class attribute
- Syntax: `driverInstance.findElement(By.className(<element Name>));`
- Example: `chromeDriver.findElement(By.className("button"));`

7. CSS Selector

- Locate the Element using CSS Selector

- Syntax for find the element using CSS selector in Dom:

```
//tagName[@attribute_name="attribute_value"]  
- // : Select the current node  
- tagName : TagName of the particular node(input, span, div, etc)  
- @ : Select the attribute  
- attribute_name: Name of the attribute(class, id, value, name, etc)  
- attribute_value: Value of the particular attribute
```

-Syntax to use CSS Selector in Automation script: `driverInstance.findElement(By.cssSelector("<element Name>"))`

-Example: `chromeDriver.findElement(By.cssSelector("//input[@value='Marketplace']"));`

CSS Selector Example

