

## Today's Topic: 09-03-2022

### - WebDriver Methods

#### -Navigation:

1. back(): This method enables the web browser to click on the back button/back arrow

Syntax: `driverinstance.navigate.back();`

2. forward(): This method enables the web browser to click on the forward button/forward arrow

Syntax: `driverinstance.navigate.forward();`

3. to(URL url): It loads the new web page into the existing browser

Syntax: `driverinstance.navigate.to("url");`

4. refresh(): This method refresh/reloads the current web page in the existing browser

Syntax: `driverinstance.navigate.refresh();`

### Example:

```
package webdriver_methods;

import org.openqa.selenium.By;

public class NavigateCommand {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        String url = "https://opensource-demo.orangehrmlive.com/index.php/auth/login";

        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\MyDeLL\\Desktop"
            + "\\Selenium_Sessions\\Drivers\\chromedriver_win32\\chromedriver.exe");

        WebDriver driver = new ChromeDriver();
        driver.navigate().to(url);

        driver.findElement(By.xpath("//a[text()='Forgot your password?']")).click();

        driver.navigate().back();

        driver.navigate().forward();

        driver.navigate().refresh();
    }
}
```

- WebElements command

1. void click():

- It is used click on the element

2. void sendKeys(CharSequence... keysToSend):

- Use this method to simulate typing into an element, which may set its value.
- It will throws IllegalArgumentException if keysToSend is null

3. void clear():

- If the element is a text entry, this will clear the value

Example:

```
8 public class WebElementsCommand {
9
10 public static void main(String[] args) {
11     // TODO Auto-generated method stub
12
13
14     //String url = "https://only-testing-blog.blogspot.com/2014/01/textbox.html";
15     String url= "https://opensource-demo.orangehrmlive.com/index.php/auth/login";
16
17     System.setProperty("webdriver.chrome.driver",
18 | "C:\\Users\\MyDeLL\\Desktop\\Selenium_Sessions\\Drivers\\chromedriver_win32\\chromedriver.exe"
19
20     WebDriver driver = new ChromeDriver();
21     driver.get(url);
22     driver.findElement(By.id("txtUsername")).sendKeys("Admajkfbn");
23
24     driver.findElement(By.id("txtUsername")).clear();
25
26     driver.findElement(By.id("txtUsername")).sendKeys("Admin");
27     driver.findElement(By.id("txtPassword")).sendKeys("admin123");
28
29
30     WebElement loginBtn= driver.findElement(By.id("btnLogin"));
31
32     loginBtn.click();
33 }
```

#### 4. String getTagName():

- To get the tagName of the particular Element.

#### 5. String getAttribute(String name):

- It will return the value of particular attribute

#### Example:

```
package webElement_commands;

import org.openqa.selenium.By;

public class WeBElementsCommand {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        //String url = "https://only-testing-blog.blogspot.com/2014/01/textbox.html";
        String url= "https://opensource-demo.orangehrmlive.com/index.php/auth/login";

        System.setProperty("webdriver.chrome.driver",
"C:\\Users\\MyDeLL\\Desktop\\Selenium_Sessions\\Drivers\\chromedriver_win32\\chromedriver.exe")

        WebDriver driver = new ChromeDriver();
        driver.get(url);
        driver.findElement(By.id("txtUsername")).sendKeys("Admajkfbn");

        driver.findElement(By.id("txtUsername")).clear();

        driver.findElement(By.id("txtUsername")).sendKeys("Admin");

        driver.findElement(By.id("txtPassword")).sendKeys("admin123");

        WebElement loginBtn= driver.findElement(By.id("btnLogin"));

        loginBtn.click();

        driver.findElement(By.id("menu_admin_viewAdminModule")).click();

        String userTagName= driver.findElement(By.name("searchSystemUser[userName]")).getTagName();

        System.out.println("This Benutzername Field TagName: "+userTagName );

        String attributVal=driver.findElement(By.name("searchSystemUser[userName]")).getAttribute("id");

        System.out.println("This is Class attribute value for the Benutzername field: "+ attributVal);
    }
}
```



```
<terminated> WeBElementsCommand [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (09-Mar-2022, 5:43:54 pm - 5:45:17 pm)
INFO: Found CDP implementation for version 99 of 97
This Benutzername Field TagName: input
This is Class attribute value for the Benutzername fieldsearchSystemUser_userName
```

6. boolean isSelected():

- It will check the element is selected or not,
- It will return the boolean value(True/False)

7. boolean isEnabled():

- It will check if the element is enabled or not
- It will return true when the element is enabled
- It will return the false when the Element is not Enabled

8. String getText():

- It will return the text of the particular Element

9 String getCssValue(String propertyName):

- It will return the Css value for particular element.
- It will return the Css value for the css property you mentioned in to the parameter

10. void submit():

- If this current element is a form, or an element within a form, then this will be submitted to the remote server.