**Working with External Elements**

**AdvancedLocateElementsDemo.java :**

**package** com.ecommerce.test;

**import** java.time.Duration;

**import** java.util.List;

**import** java.util.concurrent.TimeUnit;

**import** org.openqa.selenium.Alert;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.support.ui.Select;

**import** org.openqa.selenium.support.ui.WebDriverWait;

@SuppressWarnings("unused")

**public** **class** AdvancedLocateElementsDemo {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

WebDriver driver = **new** ChromeDriver(); // new FirefoxDriver();

// demoXPathCSSSelector(driver);

// demoElementActionForSelect(driver);

//demoElementActionForTable(driver);

*demoAlert*(driver);

//demoIFrameActions(driver);

// close the browser and quit.

// driver.close();

}

/\* IFrame actions demo \*/

**static** **void** demoIFrameActions(WebDriver driver) **throws** InterruptedException {

String baseUrl = "File:///C:\\Users\\lenovo\\Phase5\\hello-selenium\\src\\main\\resources\\test.html";

driver.get(baseUrl);

driver.switchTo().frame("myframe");

// Now we can click the button

driver.findElement(By.*cssSelector*(".DocSearch-Button-Placeholder")).click();

driver.findElement(By.*cssSelector*("#docsearch-input")).sendKeys("hello");

//driver.switchTo().defaultContent();

}

/\* Alert actions demo \*/

**static** **void** demoAlert(WebDriver driver) **throws** InterruptedException {

String baseUrl = "File:///C:\\Users\\lenovo\\Phase5\\hello-selenium\\src\\main\\resources\\test.html";

driver.get(baseUrl);

// driver.manage().timeouts().implicitlyWait(15, TimeUnit.SECONDS);

Thread.*sleep*(10000);

// Click the link to activate the alert

driver.findElement(By.*linkText*("See an example alert")).click();

Thread.*sleep*(10000);

// alert will appear now, may be in 10 secs

WebDriverWait wait = **new** WebDriverWait(driver, Duration.*ofSeconds*(10));

// Wait for the alert to be displayed and store it in a variable

wait.until(ExpectedConditions.*alertIsPresent*());

// Store the alert in a variable

Alert alert = driver.switchTo().alert();

// Store the alert in a variable for reuse

String text = alert.getText();

System.***out***.println(text);

// Press the Cancel button

alert.accept();

}

}

1. **test.html :**

<html>

<head>

<title>Hello</title>

<script>

**function** myDblClickFunction() {

document.getElementById("demo-messages").textContent = "You double clicked me!";

document.getElementById("demo-messages").style.color = "red";

}

**function** mySglClickFunction() {

document.getElementById("demo-messages").textContent = "You single clicked me!";

document.getElementById("demo-messages").style.color = "blue";

}

</script>

</head>

<body bgcolor=*"#ffeeee"*>

DEMO-MESSAGES:

<span id=*"demo-messages"*>GETTING STARTED</span>

<br><br><span id=*"xyz"*>Hello world!</span>

Alerts The simplest of these is referred to as an alert, which shows a

custom message, and a single button which dismisses the alert, labelled

in most browsers as OK. It can also be dismissed in most browsers by

pressing the close button, but this will always do the same thing as

the OK button.

<a href=*"javascript:alert('hello alerts!')"*>See an example alert</a>

<br>

<br>

<div id=*"modal"*>

<iframe id=*"myframe"* name=*"myframe"*

src=*"https://seleniumhq.github.io"* width=*1200* height=*400*>

</iframe>

</div>

<br>

<br>

<button id=*"dblButton"* ondblclick="myDblClickFunction()"

onclick="mySglClickFunction()">Double-click me or Single click me</button>

<h3>0 Some h3 text</h3>

<form>

<input type=*"text"* id=*"admin"*> <br> <input type=*"text"*

id=*"admin123"*> <br> <input type=*"text"* id=*"adminxyz"*>

<br> <input type=*"text"* id=*"adm"*> <br>

<input type=*"file"* id=*"uploadPicture"*>

</form>

<h3>1 Some h3 text</h3>

<h3>2 Some h3 text</h3>

<h3>3 Some h3 text</h3>

<select multiple aria-label=*"Month"* name=*"birthday\_month"* id=*"month"*

title=*"Month"* class=*"\_9407 \_5dba \_9hk6 \_8esg"*>

<option

value=*"1"*>Jan</option>

<option value=*"2"*>Feb</option>

<option value=*"3"*>Mar</option>

<option value=*"4"*>Apr</option>

<option value=*"5"*>May</option>

<option value=*"6"*>Jun</option>

<option value=*"7"* selected=*"1"*>Jul</option>

<option value=*"8"*>Aug</option>

<option value=*"9"*>Sep</option>

<option value=*"10"*>Oct</option>

<option value=*"11"*>Nov</option>

<option value=*"12"*>Dec</option>

</select>

</body>

</html>

**Output**

