**Locating Elements Throght CSS and Xpath:**

**//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>

<p id=*"xyz"*>Hello world!</p>

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=*"buttonframe"* name=*"myframe"*

src=*"https://seleniumhq.github.io"* width=*1200* width=*600*>

<button>Click here</button>

</iframe>

</div>

<br>

<br>

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

onclick="mySglClickFunction()">Double-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>

</form>

<h3>1 Some h3 text</h3>

<h3>2 Some h3 text</h3>

<h3>3 Some h3 text</h3>

</body>

</html>

**// AdvancedLocateElementDemo.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;

public class AdvancedLocateElementDemo {

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

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

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

driver.get(baseUrl);

List<WebElement> inputAdminElements = driver.findElements(By.*xpath*("//input[contains(@id, 'admin')]"));

System.*out*.println("inputAdminElements has " + inputAdminElements.size());

// same as above but by using CSS selectors

List<WebElement> inputAdminElementsUsingCSSSelector = driver.findElements(By.*cssSelector*("input[id\*='admin']"));

System.*out*.println("inputAdminElementsUsingCSSSelector has " + inputAdminElementsUsingCSSSelector.size());

WebElement secondH3SiblingOfForm = driver.findElement(By.*cssSelector*("h3:nth-child(2)"));

System.*out*.println("secondH3SiblingOfForm text is " + secondH3SiblingOfForm);

}

}

**Output Screenshots:**





