

Objective: Practice mouse and keyboard interactions.

Scenario:

Open the DemoQA site → <https://demoqa.com/buttons>

Perform:

Double Click on “Double Click Me” button.

Right Click on “Right Click Me” button.

Single Click on the third “Click Me” button.

Print the text messages that appear after each click action.

Extra Challenge:

Visit <https://demoqa.com/dragabble> and drag the element from its position to another point.

```
package Selenium;
```

```
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.interactions.Actions;


public class Actions_practice {


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

        // TODO Auto-generated method stub

        WebDriver driver =new ChromeDriver();


        driver.get("https://demoqa.com/buttons");

        driver.manage().window().maximize();

        JavascriptExecutor js=(JavascriptExecutor)driver;

        js.executeScript("window.scrollTo(0,200)");

        Thread.sleep(5000);


        WebElement doubleclick=driver.findElement(By.id("doubleClickBtn"));

        Actions act=new Actions(driver);

        act.doubleClick(doubleclick).perform();

        System.out.println("Double click");


        WebElement rightclick=driver.findElement(By.id("rightClickBtn"));

        Actions act1=new Actions(driver);

        act1.contextClick(rightclick).perform();

        System.out.println("Right click");
```

```
//      WebElement click=driver.findElement(By.id("ClickBtn"));
//      act.contextClick(click).perform();
//      System.out.println(" click");
System.out.println("Click");
```

```
driver.get("https://www.ebay.com/");
driver.manage().window().maximize();
WebElement motors=driver.findElement(By.xpath("//*[@id=\"vl-flyout-nav\"]/ul/li[4]/a"));
act.moveToElement(motors).perform();
Thread.sleep(5000);
```

```
WebElement fashion=driver.findElement(By.xpath("//*[@id=\"vl-flyout-nav\"]/ul/li[5]/a"));
act.moveToElement(fashion).perform();
Thread.sleep(5000);
```

```
WebElement sports=driver.findElement(By.xpath("//*[@id=\"vl-flyout-nav\"]/ul/li[7]/a"));
act.moveToElement(sports).perform();
```

```
driver.get("https://demoqa.com/droppable");
driver.manage().window().maximize();
//Actions act=new Actions(driver);
//JavascriptExecutor js1=(JavascriptExecutor)driver;
```

```
js.executeScript("window.scrollTo(0,600)");  
WebElement source=driver.findElement(By.id("draggable"));  
WebElement target=driver.findElement(By.id("droppable"));  
act.dragAndDrop(source, target).perform();  
Thread.sleep(5000);  
driver.close();  
}  
  
}
```

```
Double click  
Right click  
Click
```

Assignment 2 – Select Class

Objective: Work with dropdowns and multi-select options.

Scenario:

Open the DemoQA site → <https://demoqa.com/select-menu>

Perform:

Select “Blue” from the old-style dropdown.

Select multiple options from the multi-select dropdown (e.g., “Green”, “Yellow”, “Black”).

Verify and print the selected options.

Extra Challenge:

Select options using both `selectByVisibleText` and `selectByIndex`.

```
package Selenium;

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.Select;
import java.util.List;
import java.util.concurrent.TimeUnit;

public class Selectdemoqa {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("window.scrollTo(0,200)");
        WebElement Dropdown = driver.findElement(By.id("oldSelectMenu"));
        Select os = new Select(Dropdown);
        os.selectByVisibleText("Blue");
        System.out.println("Selected from old dropdown: " +
            os.getFirstSelectedOption().getText());
        WebElement ms = driver.findElement(By.id("cars"));
        Select multiselect = new Select(ms);
        multiselect.selectByVisibleText("Black");
        multiselect.selectByVisibleText("Green");
        multiselect.selectByIndex(3);
        List selectedOptions = multiselect.getAllSelectedOptions();
        for (WebElement option : selectedOptions) {
            System.out.println("- " + option.getText());
        }
    }
}
```

```
Thread.sleep(2000);  
}  
}
```

Assignment 3 – Alerts

Objective: Handle different types of alerts.

Scenario:

Open the DemoQA site → <https://demoqa.com/alerts>

Perform:

Click the button to see an alert, accept it.

Click the “On button click, confirm box will appear” button, dismiss the alert.

Click the “Prompt Box” button, enter your name, and accept it.

Capture and print the alert messages before accepting/dismissing.

Extra Challenge:

Wait dynamically for the alert that appears after 5 seconds, then accept it.

```
package Selenium;
```

```
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;

public class Alerts_Demo {

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

        WebDriver driver =new ChromeDriver();
        driver.get("https://demoqa.com/alerts");

        Thread.sleep(5000);

        driver.manage().window().maximize();

        WebElement
        samplealert=driver.findElement(By.cssSelector("button[id=\"alertButton\"]"));

        samplealert.click();

        Thread.sleep(3000);

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

        alert.accept();

        Thread.sleep(5000);
```

WebElement

```
timealert=driver.findElement(By.cssSelector("button[id=\"timerAlertButton\"]"));
```

```
timealert.click();
```

```
Thread.sleep(7000);
```

```
Alert alert3=driver.switchTo().alert();
```

```
alert3.accept();
```

```
//alert2.dismiss();
```

```
Thread.sleep(5000);
```

WebElement

```
confirmalert=driver.findElement(By.cssSelector("button[id=\"confirmButton\"]"));
```

```
confirmalert.click();
```

```
Thread.sleep(3000);
```

```
Alert alert1=driver.switchTo().alert();
```

```
//alert.accept();
```

```
alert1.dismiss();
```

```
Thread.sleep(5000);
```

```
JavascriptExecutor js=(JavascriptExecutor)driver;
```

```
js.executeScript("window.scrollBy(0,200)");
```

WebElement

```
promptalert=driver.findElement(By.cssSelector("button[id=\"promptButton\"]"));
```

```
promptalert.click();
```

```
Thread.sleep(3000);
```

```
Alert alert2=driver.switchTo().alert();
```



```
alert2.sendKeys("sai");
```

```
alert2.accept();
```

```
//alert2.dismiss();
```

```
driver.close();
```

```
}
```

```
}
```