

1.4 Handling Various Web Elements.

ActionsDemo.java

```
package com.ecommerce.test;

import java.time.Duration;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Action;
import org.openqa.selenium.interactions.Actions;

public class ActionsDemo {

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

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

    static void demoMouseActions(WebDriver driver) throws InterruptedException {

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

        driver.get(baseUrl);

        WebElement buttonElement = driver.findElement(By.id("dblButton"));
```

```
Actions actions = new Actions(driver);
```

```
Thread.sleep(5000); // Remove this once we have tested this automation.
```

```
actions.doubleClick(buttonElement).perform();
```

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

```
//Double click on the text Hello World
```

```
// Example of build 2 or more actions and them performing all of them together.
```

```
WebElement textHelloWorldElement = driver.findElement(By.id("xyz"));
```

```
Actions actions2 = new Actions(driver);
```

```
Action action = actions2
```

```
.doubleClick(textHelloWorldElement)
```

```
.contextClick(textHelloWorldElement)
```

```
.pause(Duration.ofSeconds(10))
```

```
.click(textHelloWorldElement)
```

```
.build();
```

```
action.perform();
```

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

```
// Scroll actions
```

```
Actions actions3 = new Actions(driver);
```

```
Action action3 = actions3
```

```
.sendKeys(Keys.PAGE_DOWN) // scroll one page
```

```
.sendKeys(Keys.PAGE_DOWN) // scroll another one page
```

```
.build();
```

```
action3.perform();
```

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

```
// Drag and Drop
```

```
Actions actions4 = new Actions(driver);
```

```
Action action4 = actions4
```

```
.clickAndHold(textHelloWorldElement)
```

```
.pause(Duration.ofSeconds(10))
```

```
.dragAndDrop(textHelloWorldElement, buttonElement)
```

```
.build();
```

```
action4.perform();
```

```
}
```

```
}
```

Output

