

Actions Class

Handling of customize listbox

Customize listbox

-Handling of DropDown

step1: identify dropdown element

step2: Create an object of Actions class and pass driver as a input

step3: Call Actions class methods--> moveToElement

-Action class methods

1. moveToElement

2. contextClick --> To perform mouse right click action

3. perform -- To execute each statement/action

4. build - To combine multiple actions in a single statement

5. click

6. doubleclick

7. dragAndDrop

8. clickAndHold

9. release

The listbox which created without using select tag name

Program :

```
package ActionClassProg;
```

```
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.Actions;
```

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

```
public class Prog1 {
```

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

```
        System.setProperty("webdriver.chrome.driver", "chromedriver");
```

```
        WebDriver driver = new ChromeDriver();
```

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

```
        driver.get("https://www.railyatari.in/train-ticket/create-new-irctc-user");
```

```
        WebElement userNumberTextbox =
```

```
driver.findElement(By.xpath("//input[@id='user-number']"));
```

```
        WebElement emailAddTextbox =
```

```
driver.findElement(By.xpath("//input[@id='email_id']"));
```

```
        WebElement contBtn =
```

```
driver.findElement(By.xpath("//button[@id='irtct-acc-detail']"));
```

```
        userNumberTextbox.sendKeys("9090909012");
```

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

```

        emailAddTextbox.sendKeys("h@gmail.com");
//        Thread.sleep(2000);
        contBtn.click();
//        Thread.sleep(2000);

        WebElement occDropdown =
driver.findElement(By.xpath("//button[normalize-space(text()='Select
Occupation']"));
        Actions a = new Actions(driver);
        a.moveToElement(occDropdown).click().build().perform();
        for(int i=0;i<=5;i++)
        {
//            Thread.sleep(1000);
            a.sendKeys(Keys.DOWN).build().perform();
        }

//        for(int i=0;i<=5;i++)
//        {
//            Thread.sleep(1000);
//            a.sendKeys(Keys.UP).build().perform();
//        }
        a.sendKeys(Keys.ENTER).perform();

        Thread.sleep(5000);
        driver.close();
    }
}

```

Program :

```

package ActionClassProg;

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.Actions;

public class Prog2 {

    public static void main(String[] args) throws Exception {
        System.setProperty("webdriver.chrome.driver", "chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://demo.guru99.com/test/simple_context_menu.html");

        WebElement rightClickBtn =
driver.findElement(By.xpath("//span[text()='right click me']"));

```

```

        WebElement doubleClickBtn =
driver.findElement(By.xpath("//button[text()='Double-Click Me To See Alert']"));

        /*Actions a = new Actions(driver);
a.moveToElement(rightClickBtn).contextClick().build().perform();
a.sendKeys(Keys.ARROW_DOWN).build().perform();
Thread.sleep(1000);
a.sendKeys(Keys.ARROW_DOWN).build().perform();
Thread.sleep(1000);
a.sendKeys(Keys.ARROW_DOWN).build().perform();
Thread.sleep(1000);
a.sendKeys(Keys.ENTER).build().perform();          */

        Actions b = new Actions(driver);
// b.moveToElement(doubleClickBtn).doubleClick().build().perform();

        b.doubleClick(doubleClickBtn).build().perform();

        Thread.sleep(5000);
        driver.close();
    }
}

```

Assignment :

Apply action class on :- <https://is.rediff.com/signup/register>

Practice URL for drag and drop:

<https://www.globalsqa.com/demo-site/draganddrop/>

https://demo.guru99.com/test/drag_drop.html