

## Automation Testing

### Locators

```
package mavenproject1.MavenProject1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.By;
public class SeleniumLocatorClass {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        Thread.sleep(100);
        driver.get("https://rahulshettyacademy.com/locatorspractice/");
        driver.findElement(By.id("inputUsername")).sendKeys("bhavya");
        driver.findElement(By.name("inputPassword")).sendKeys("pass");
        driver.findElement(By.className("signInBtn")).click();
        Thread.sleep(1000);

        System.out.println(driver.findElement(By.cssSelector("p.error")).getText());
        ;
        driver.findElement(By.LinkText("Forgot your password?")).click();
        Thread.sleep(1000);

        driver.findElement(By.xpath("//input[@placeholder='Name']")).sendKeys("Bhav
i");

        driver.findElement(By.cssSelector("input[placeholder='Email']")).sendKeys("
bhavi@sha.com");

        driver.findElement(By.xpath("//form/input[3]")).sendKeys("9867855325");
        driver.findElement(By.cssSelector(".reset-pwd-btn")).click();

        System.out.println(driver.findElement(By.cssSelector(".infoMsg")).getText()
);
        driver.findElement(By.xpath("//div[@class='forgot-pwd-btn-
container']/button[1]")).click();
        Thread.sleep(1000);

        driver.findElement(By.cssSelector("#inputUsername")).sendKeys("bhavya");

        driver.findElement(By.cssSelector("input[type*='pass']")).sendKeys("rahulsh
ettyacademy");
        driver.findElement(By.id("chkboxOne")).click();

        driver.findElement(By.xpath("//button[contains(@class, 'submit')]")).click()
;
        driver.close();

    }
}
```

## Static Dropdown

```
package mavenproject1.MavenProject1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class StaticDropdownClass {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        String url =
"https://www.rahulshettyacademy.com/dropdownsPractise/";
        driver.get(url);
        WebElement staticdropdown =
driver.findElement(By.xpath("//*[@id='ctl00_mainContent_DropDownListCurrency']"));
        Select dropdown = new Select(staticdropdown);
        dropdown.selectByIndex(3);
        WebElement selectedElement=dropdown.getFirstSelectedOption();
        System.out.println(selectedElement.getText());
        dropdown.selectByVisibleText("AED");
        System.out.println(dropdown.getFirstSelectedOption().getText());
        dropdown.selectByValue("INR");
        System.out.println(dropdown.getFirstSelectedOption().getText());
        driver.close();
    }
}
```

## Autosuggest Dropdown

```
package mavenproject1.MavenProject1;
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class AutosuggestDropdownClass {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");

        // Create a new instance of the Chrome driver
        WebDriver driver = new ChromeDriver();

        //get URL
        driver.get("https://rahulshettyacademy.com/dropdownsPractise/");

        //Find element and send key
        driver.findElement(By.id("autosuggest")).sendKeys("ind");
        Thread.sleep(3000);
    }
}
```

```

        //get all options
        List<WebElement> options
        =driver.findElements(By.cssSelector("a[class='ui-corner-all']"));

        for(WebElement option :options)
        {
            if(option.getText().equalsIgnoreCase("India"))
            {
                option.click();
                break;
            }
        }
        //Thread.sleep(1000);
        //driver.findElement(By.xpath("//a[text()='India']")).click();
        //driver.close();
    }
}

```

## CheckBox

```

package mavenproject1.MavenProject1;
import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
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.WebDriverWait;
public class CheckBoxClass {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");

        // Create a new instance of the Chrome driver
        WebDriver driver = new ChromeDriver();
        driver.get("http://demo.guru99.com/test/radio.html");
        Thread.sleep(3000);

        List<WebElement>
checkbox=driver.findElements(By.xpath("//*[@type='checkbox' and
@name='webform']"));
        int size=checkbox.size();
        System.out.println(size);
        for(int i=0; i<size; i++) {

            if(checkbox.get(i).getAttribute("value").contains("checkbox2")) {
                System.out.println("Inside loop");

                checkbox.get(i).click();
                System.out.println("Clicked Checkbox");
            }
        }
    }
}

```

```

        break;
    }
}

//driver.close();
}
}

```

## RadioButton

```

package mavenproject1.MavenProject1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
public class RadioButtonClass {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");

        // Create a new instance of the Chrome driver
        WebDriver driver = new ChromeDriver();

        driver.get("http://demo.guru99.com/test/radio.html");
        Thread.sleep(3000);
        //check that option1 button is not selected
        Assert.assertFalse(driver.findElement(By.id("vfb-7-
1")).isSelected());
        System.out.println(driver.findElement(By.id("vfb-7-
1")).isSelected());
        //click button
        driver.findElement(By.id("vfb-7-1")).click();

        //isSelected will return true or false value
        System.out.println(driver.findElement(By.id("vfb-7-
1")).isSelected());

        //check that option1 button is selected
        Assert.assertTrue(driver.findElement(By.id("vfb-7-
1")).isSelected());
        driver.close();
    }
}

```

## Alert

```

package mavenproject1.MavenProject1;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class SeleniumAlertClass {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");

        // Create a new instance of the Chrome driver
        WebDriver driver = new ChromeDriver();

        String text= "Bhavya";

        //get URL
        driver.get("https://rahulshettyacademy.com/AutomationPractice/");
        Thread.sleep(1000);

        //Send name
        driver.findElement(By.id("name")).sendKeys(text);

        //click on alert button
        driver.findElement(By.cssSelector("[id='alertbtn']")).click();

        //Get text
        System.out.println(driver.switchTo().alert().getText());

        //Accept alert by clicking on OK button
        driver.switchTo().alert().accept();

        //Click on confirm button
        driver.findElement(By.id("confirmbtn")).click();

        //Get text
        System.out.println(driver.switchTo().alert().getText());
        //Dismiss alert by clicking on cancel
        driver.switchTo().alert().dismiss();
        driver.close();
    }
}

```

Multiple tab

```

package mavenproject1.MavenProject1;

import java.util.Iterator;

import java.util.Set;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

```

```
public class MultipleTabClass {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        System.setProperty("webdriver.chrome.driver", "C:\\Users\\hp-
pc\\Training\\chromedriver_win32\\chromedriver.exe");

        // Create a new instance of the Chrome driver

        WebDriver driver = new ChromeDriver();

        //get URL

        driver.get("https://rahulshettyacademy.com/loginpagePractise/#");

        //Click on blinking text link

        driver.findElement(By.cssSelector(".blinkingText")).click();

        //Get all windows

        Set<String> windows = driver.getWindowHandles(); //[parentid,childid,subchildid]

        //Get parent and child window id

        Iterator<String>it = windows.iterator();

        String parentId = it.next();

        String childId = it.next();

        //switch to child window

        driver.switchTo().window(childId);

        //Get Text
```

```
System.out.println(driver.findElement(By.cssSelector(".im-para.red")).getText());
```

```
//Swich to parent window
```

```
driver.switchTo().window(parentId);
```

```
//Send emailid in username textbox
```

```
driver.findElement(By.id("username")).sendKeys("bhavya@gmail.com");
```

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

```
driver.quit();
```

```
}
```

```
}
```

Action class

```
package mavenproject1.MavenProject1;
```

```
import java.util.concurrent.TimeUnit;
```

```
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 ActionExample {
```

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

```
        // TODO Auto-generated method stub
```

```
System.setProperty("webdriver.chrome.driver", "C:\\Users\\hp-  
pc\\Training\\chromedriver_win32\\chromedriver.exe");
```

```
// Create a new instance of the Chrome driver
```

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

```
driver.get("http://www.facebook.com/");
```

```
driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS); //wait
```

```
WebElement txtUsername = driver.findElement(By.id("email"));
```

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

```
Action seriesOfActions = builder
```

```
    .moveToElement(txtUsername) //move to element
```

```
    .click() //click
```

```
    .keyDown(txtUsername, Keys.SHIFT) //send input in capital, so hold shift
```

keys

```
    .sendKeys(txtUsername, "hello") //send keys
```

```
    .keyUp(txtUsername, Keys.SHIFT) //release shift key
```

```
    .doubleClick(txtUsername) //double click
```

```
    .contextClick() //right click
```

```
    .build(); //build
```

```
seriesOfActions.perform() ; //perform action
```

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

```
}
```



}