



A Project Report on
**DEMO GURU99 WEBSITE USING AUTOMATION TOOL SELENIUM
WEBDRIVER WITH JAVA**

By

Rupali S. Ugale

Batch-(2021-5343)

Course: School of Coding- Certified Software Test Engineer

Under the Guidance of,

Priyanka Desle Mam

(Technical Trainer)

EduBridge India Pvt.Ltd.

INTRODUCTION

This Project aims to do overall testing like functional testing, GUI Testing on website to check quality of application. It helps to improve quality of website and saves the time for doing testing manually. In this project my main focus is to check functionalities available on website. It includes Title Check & all button workings, dropdowns bars, & all sub modules.

Software Requirement (Test Environment requirements)

- Operating System : Windows 10
- Browser : Chrome version- **Version 91.0.4472.124**
- IDE : Eclipse IDE 8
- Automation tool : Selenium WebDriver
- Files required : JDK, Chrome driver for same chrome version,
Selenium Jar files.
- Front-end : Java

Selenium WebDriver Test Script

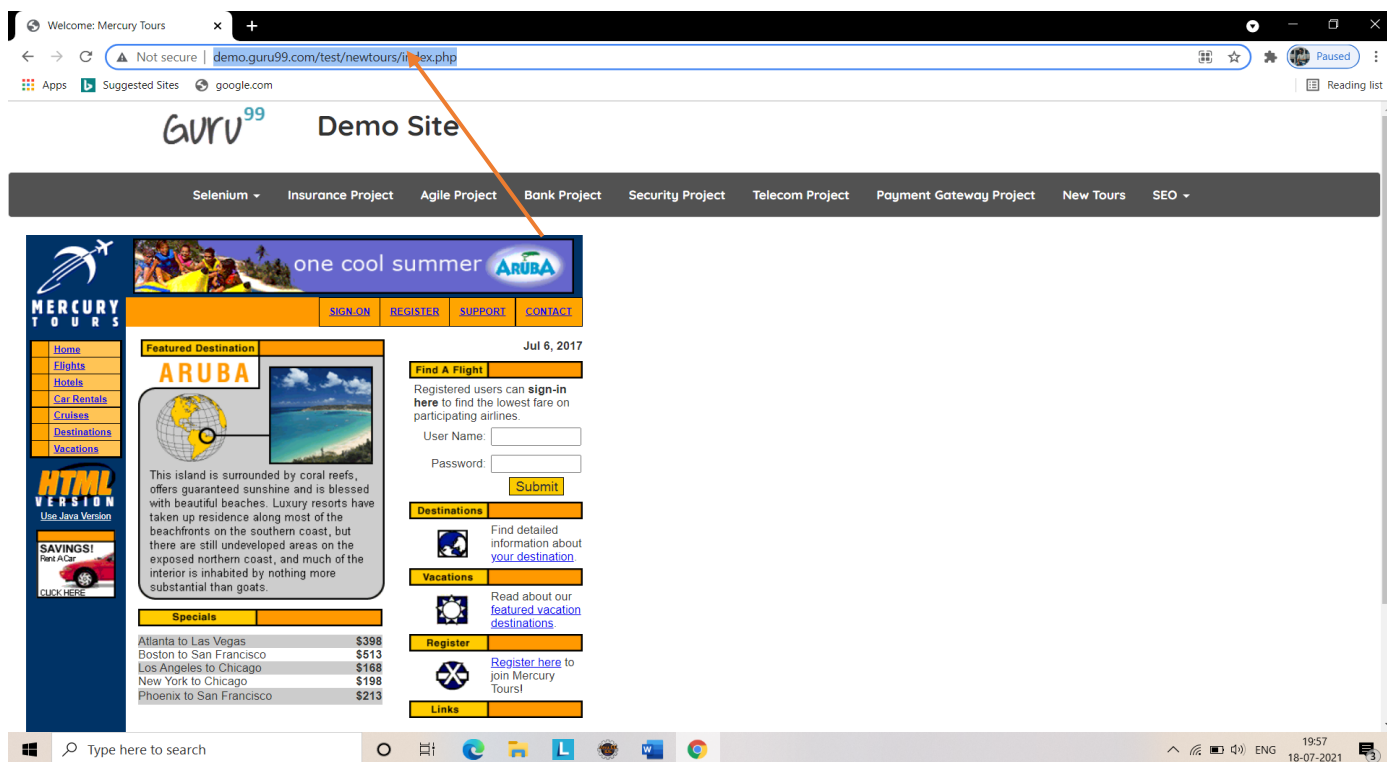
TC01: - To Launch the browser & check the functionality Guru99 demo tour website

```
System.setProperty("webdriver.chrome.driver", "C:\\Users\\Lenovo\\Desktop\\Selenium JAR\\chromedriver.exe");
```

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

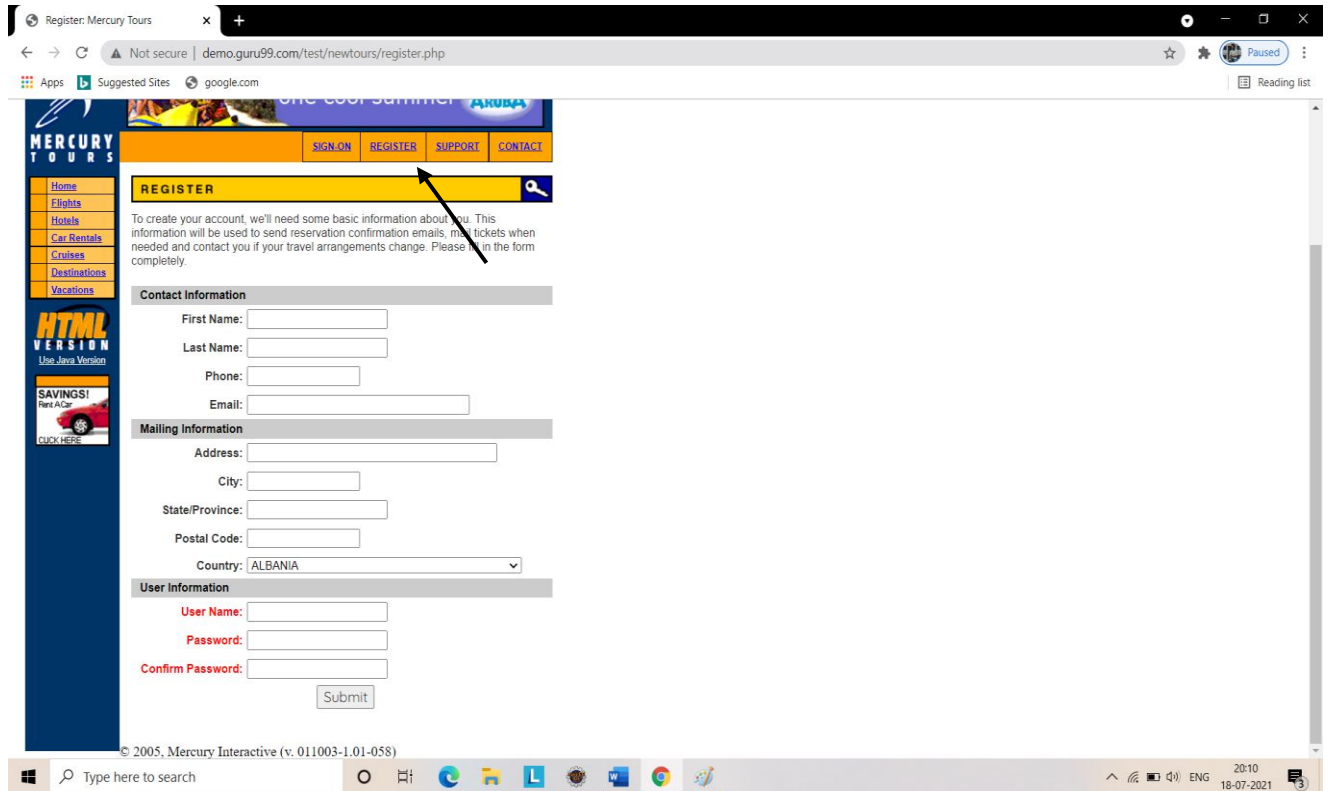
```
w.get("http://demo.guru99.com/test/newtours/register.php ");
```

```
System.out.println("Title of Page is" + w.getTitle());
```



TC02: - To Check Functionality of Register button

```
w.findElement(By.xpath("//a[contains(text(),'REGISTER')]")).click();
```



```
w.findElement(By.name("firstName")).sendKeys("Rupali");  
w.findElement(By.name("lastName")).sendKeys("Ugale");  
w.findElement(By.name("phone")).sendKeys("9497823450");  
w.findElement(By.id("userName")).sendKeys("rupaliugale61@gmail.com");
```

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

```
w.findElement(By.name("address1")).sendKeys("Mahalakshmi Bungalow, flat no.5 ");  
w.findElement(By.name("city")).sendKeys("Pune");  
w.findElement(By.name("state")).sendKeys("Maharashtra");  
w.findElement(By.name("postalCode")).sendKeys("422306");  
Thread.sleep(3000);
```

```
Select s= new Select(w.findElement(By.name("country")));  
s.selectByIndex(6);
```

```
w.findElement(By.id("email")).sendKeys("rupaliugale61@gmail.com");
```

```
w.findElement(By.name("password")).sendKeys("Rupali@1996");  
w.findElement(By.name("confirmPassword")).sendKeys("Rupali@1996");  
Thread.sleep(2000);
```

```
w.findElement(By.xpath("//tbody/tr[17]/td[1]/input[1]")).click();
```

Register: Mercury Tours

Not secure | demo.guru99.com/test/newtours/register.php

Apps | Suggested Sites | google.com

MERCURY TOURS

[SIGN ON](#) [REGISTER](#) [SUPPORT](#) [CONTACT](#)

REGISTER

To create your account, we'll need some basic information about you. This information will be used to send reservation confirmation emails, mail tickets when needed and contact you if your travel arrangements change. Please fill in the form completely.

Contact Information

First Name:

Last Name:

Phone:

Email:

Mailing Information

Address:

City:

State/Province:

Postal Code:

Country:

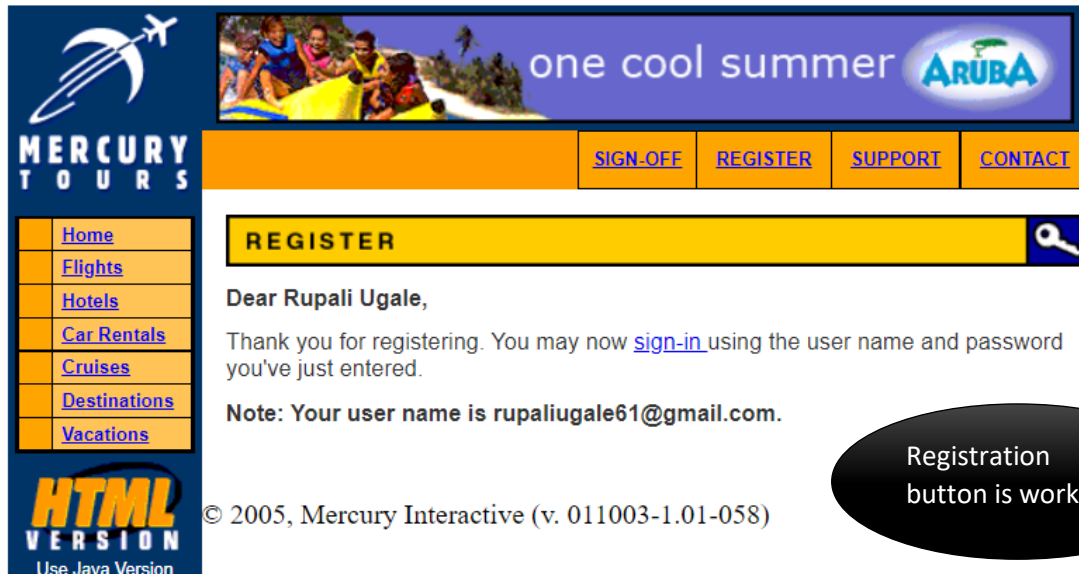
User Information

User Name:

Password:

Confirm Password:

© 2005, Mercury Interactive (v. 011003-1.01-058)



```
System.out.println("Registration done succesfully");
```

TC03: To Check Functionality of Sign-OFF button

```
w.findElement(By.linkText("SIGN-OFF")).click();
```

```
System.out.println("Sign-Off button is working properly");
```

TC04 - To Check Functionality of Sign-ON button

```
w.findElement(By.xpath("//a[contains(text(),'SIGN-ON')]")).click();
```

```
System.out.println("Sign -ON Button is working");
```

```
w.findElement(By.name("userName")).sendKeys("rupaliugale61@gmail.com");
```

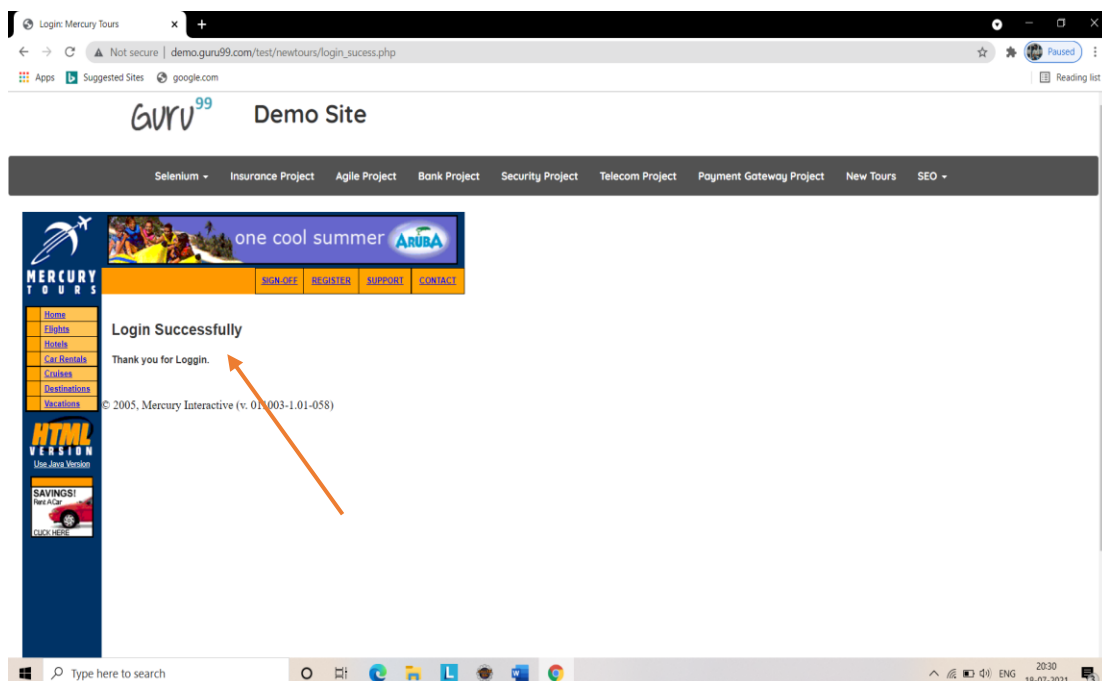
```
w.findElement(By.name("password")).sendKeys("Rupali@1996");
```

```
w.findElement(By.name("submit")).click();
```

```
System.out.println("Submit Button is working");
```

The screenshot shows a web page with a top navigation bar containing links: [SIGN-ON](#), [REGISTER](#), [SUPPORT](#), and [CONTACT](#). Below this, on the left, is a 'Featured Destination' section for 'ARUBA' with a globe icon and a photo of a beach. Text below the photo reads: 'This island is surrounded by coral reefs, offers guaranteed sunshine and is blessed with beautiful beaches. Luxury resorts have taken up residence along most of the beachfronts on the southern coast, but there are still undeveloped areas on the'. To the right of the featured destination is a date 'Jul 6, 2017' and a 'Find A Flight' section. The 'Find A Flight' section contains the text: 'Registered users can **sign-in here** to find the lowest fare on participating airlines.' Below this is a login form with fields for 'User Name:' (containing 'rupaliugale61@') and 'Password:' (containing '*****'), and a 'Submit' button. At the bottom right, there is a 'Destinations' section with a globe icon and the text 'Find detailed information about'.

```
String S = w.findElement(By.xpath("//tbody//tr//td/h3")).getText();
System.out.println("Show Message " + S);
```



```
Thread.sleep(3000);
w.findElement(By.linkText("SIGN-OFF")).click();
```

TC06: To check the functionality of Drag & Drop button from Selenium tab

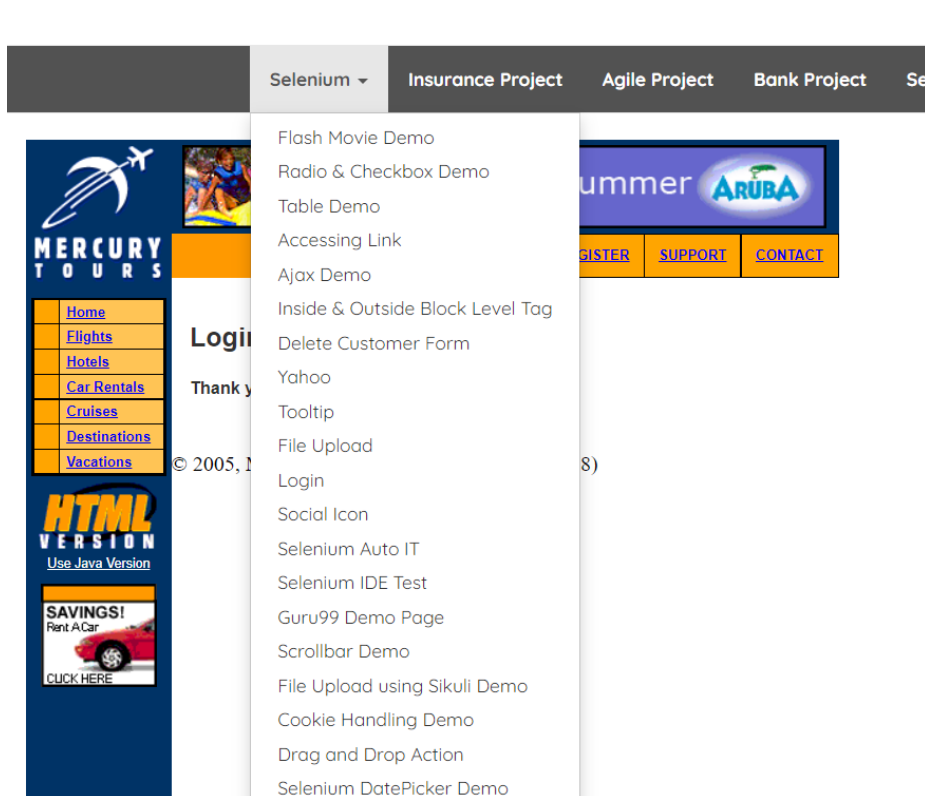
```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]/b[1]")).click();  
w.findElement(By.xpath("//a[contains(text(),'Drag and Drop Action')]")).click();
```

TC07- To check the functionality of Drag (Bank) button from Selenium tab

```
WebElement Drag1 =w.findElement(By.xpath("//a[contains(text(),'BANK')]"))
```

TC08- To check the functionality of Drop (Account) button from Selenium tab

```
WebElement Drop1=w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/table[1]/tbody[1]/tr[1]/td[1]/table[1]/tbody[1]/tr[1]/td[1]/div[1]/div[1]/ol[1]/li[1]"));  
Actions act=new Actions(w);  
    act.dragAndDrop(Drag1, Drop1).build().perform();  
  
Thread.sleep(3000);
```

Drag1 & Drag2 option is working properly...



Selenium Drag and Drop Example:

Drag the following blocks into empty cells below

Note: Only certain blocks are permitted to be dropped in specific cells in the table

-5000	5000	-5000	5000	BANK	SALES
OWNER'S EQUITY		LOAN			

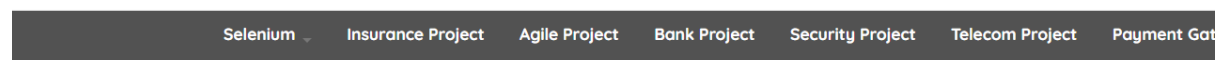
DEBIT SIDE		CREDIT SIDE	
Account	Amount	Account	Amount
BANK			

TC09- To check the functionality of Drag (5000) button from Selenium tab

```
WebElement Drag2 = w.findElement(By.xpath("//body/section[@id='g-container-main']/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[2]/a[1]"));
```

TC10- To check the functionality of Drop (Amount) button from Selenium tab

```
WebElement Drop2=w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/table[1]/tbody[1]/tr[1]/td[1]/table[1]/tbody[1]/tr[1]/td[2]/div[1]/div[1]/ol[1]/li[1]"));
act.dragAndDrop(Drag2, Drop2).build().perform();
Thread.sleep(3000);
```



Selenium Drag and Drop Example:

Drag the following blocks into empty cells below

Note: Only certain blocks are permitted to be dropped in specific cells in the table

-5000

5000

-5000

5000

BANK

SALES

OWNER'S EQUITY

LOAN

DEBIT SIDE		CREDIT SIDE	
Account	Amount	Account	Amount
	5000 		

TC11- To check the functionality of Drag (sales) button from Selenium tab

```
WebElement Drag3=w.findElement(By.xpath("//a[contains(text(),'SALES')]"));
```

TC12- To check the functionality of Drop (Account) button from Selenium tab

```

WebElement Drop3=w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/table[1]/tbody[1]/tr[1]/td[2]/table[1]/tbody[1]/tr[1]/td[1]/div[1]/div[1]/ol[1]/li[1]"));
act.dragAndDrop(Drag3, Drop3).build().perform();
Thread.sleep(3000);

```

Selenium Drag and Drop Example:

Drag the following blocks into empty cells below

Note: Only certain blocks are permitted to be dropped in specific cells in the table

-5000	5000	-5000	5000	BANK	SALES
OWNER'S EQUITY		LOAN			

DEBIT SIDE		CREDIT SIDE	
Account	Amount	Account	Amount
		SALES	

TC13- To check the functionality of Drag (5000) button from Selenium tab

```

WebElement Drag4 =w.findElement(By.xpath("//body/section[ @id='g-container-main']/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[4]/a[1]"));

```

TC14- To check the functionality of Drop (Account) button from Selenium tab

```

WebElement Drop4
=w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[1]/div[1]/div[1]/div[1]/div[1]/table[1]/tbody[1]/tr[1]/td[2]/table[1]/tbody[1]/tr[1]/td[2]/div[1]/div[1]/ol[1]/li[1]"));
act.dragAndDrop(Drag4, Drop4).build().perform();

```

```

System.out.println("Drag & drop option is opened");
w.navigate().back();

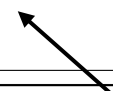
```

Drag the following blocks into empty cells below

Note: Only certain blocks are permitted to be dropped in specific cells in the table

-5000
5000
-5000
5000
BANK
SALES

OWNER'S EQUITY
LOAN

DEBIT SIDE		CREDIT SIDE	
Account	Amount	Account	Amount
			5000 

Debit Movement	0	Credit Movement	5000
----------------	---	-----------------	------

TC15- To check the functionality of Horizontal scroll Bar from Selenium tab

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]/b[1]")).click();
```

```
w.findElement(By.linkText("Scrollbar Demo")).click();
w.manage().window().maximize();
```

WebElement Element=

```
w.findElement(By.xpath("/html[1]/body[1]/div[2]/section[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]"));
```

```
JavascriptExecutor js= (JavascriptExecutor ) w;
```

```
js.executeScript("arguments[0].scrollIntoView()", Element);
```

```
Element.click();
```

```
w.navigate().back();
```

```
w.navigate().back();
```

Selenium Insurance Project Agile Project Bank Project Secu

Flash Movie Demo

Radio & Checkbox Demo

Table Demo

Accessing Link

Ajax Demo

Inside & Outside Block Level Tag

Delete Customer Form

Yahoo

Tooltip

File Upload

Login

Social Icon

Selenium Auto IT

Selenium IDE Test

Guru99 Demo Page

Scrollbar Demo

File Upload using Sikuli Demo

Cookie Handling Demo

Drag and Drop Action

Selenium DatePicker Demo

Drop Example:

Clicks into empty cells be

tted to be dropped in specific cells in

00

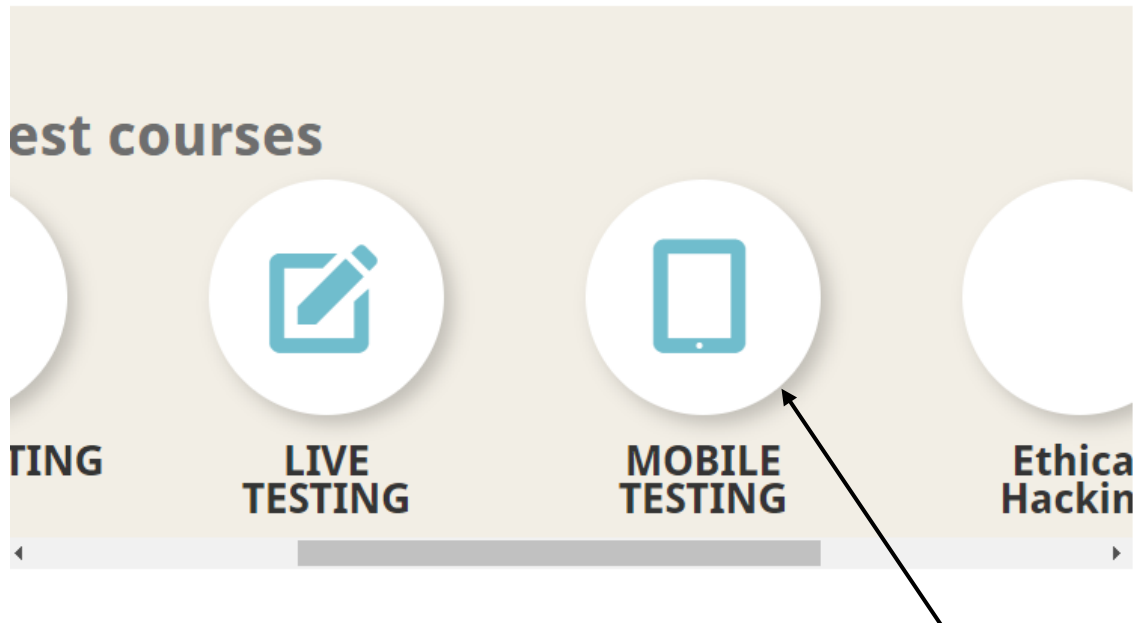
5000

BANK

\$

LOAN

Amount	Acco



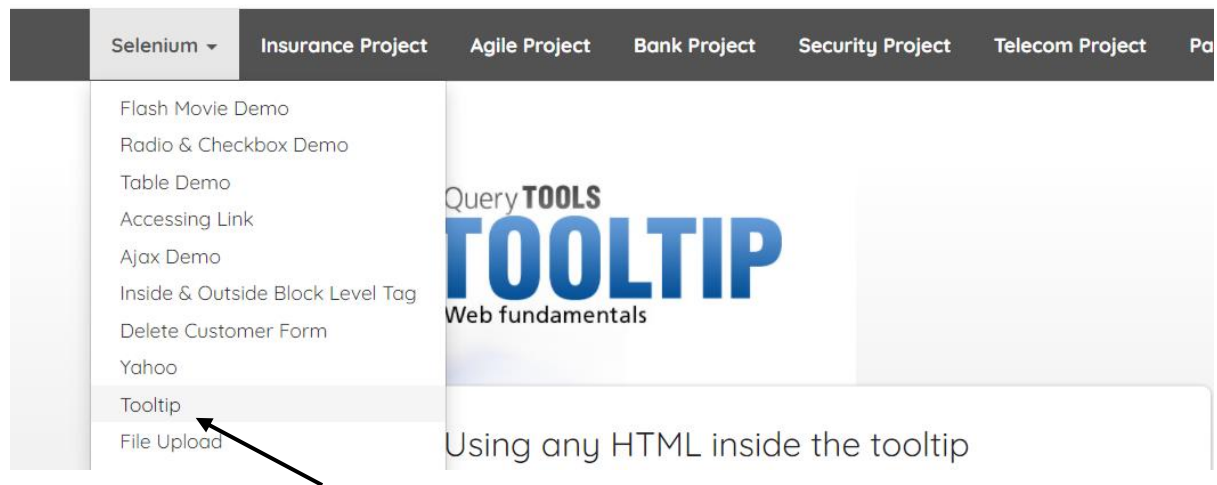
TC016 :To check the functionality of Tool Tip button from Selenium tab

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

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]/b[1]")).click();
```

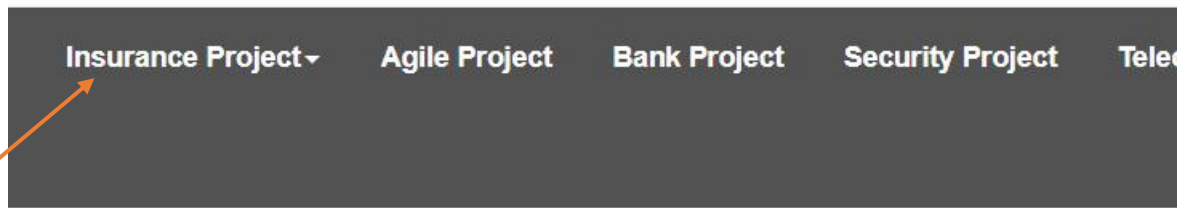
```
w.findElement(By.linkText("Tooltip")).click();
```

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



TC17- To check the functionality of Insurance Project Tab

```
w.findElement(By.linkText("Insurance Project")).click();
```

A registration and login form. At the top is a 'Register' button. Below it is the 'Login' section, which includes an 'Email' label and a text input field, followed by a 'Password' label and another text input field. A black arrow points from the left towards the 'Register' button.

TC18- To check the functionality of Register button from Insurance Project Tab

```
w.findElement(By.linkText("Register")).click();
Select s1=new Select(w.findElement(By.id("user_title")));
s1.selectByIndex(2);

w.findElement(By.id("user_firstname")).sendKeys("Snehal");
w.findElement(By.id("user_surname")).sendKeys("Patil");
w.findElement(By.name("phone")).sendKeys("9050607089");

Select s2=new Select(w.findElement(By.id("user_dateofbirth_1i")));
s2.selectByIndex(3);

Select s3=new Select(w.findElement(By.id("user_dateofbirth_2i")));
```



```
s3.selectByIndex(4);Select s4=new  
Select(w.findElement(By.id("user_dateofbirth_3i")));  
s4.selectByValue("15");
```

```
w.findElement(By.xpath("//input[@id='licencetype_f']")).click();  
Select s5=new Select(w.findElement(By.id("user_licenceperiod")));  
s5.selectByIndex(3);  
Select s6=new Select(w.findElement(By.name("occupation")));  
s6.selectByVisibleText("Student");
```

```
w.findElement(By.name("street")).sendKeys("Bhagwati Bunglow, Blue  
Colony");  
w.findElement(By.name("city")).sendKeys("Mumbai");  
w.findElement(By.name("county")).sendKeys("India");  
w.findElement(By.name("post_code")).sendKeys("443567");  
w.findElement(By.name("email")).sendKeys("senhalpatil14@gmail.com");  
w.findElement(By.name("password")).sendKeys("43210");  
w.findElement(By.name("c_password")).sendKeys("43210");
```

Title		
Miss		
First name		
snehal		
Surname		
patil		
Phone		
9050607089		
Date of Birth		
1935	December	21
<input checked="" type="radio"/> Full <input type="radio"/> Provisional		
Licence Period		
1 years		
Occupation		
Student		
Address		
Street		
Bhagwati Bunglow, Blue Col		

Tc19 - To check Functionality of create Button

```
w.findElement(By.xpath("//body/div[3]/form[1]/div[5]/input[2]")).click();
```

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

The screenshot shows a registration form. At the top is the label "Email" above a text input field containing "senhalpatil14@gmail.com". Below this is the label "Password" above a password input field with five dots. Underneath is the label "Confirm password" above another password input field with five dots. At the bottom are two buttons: "Reset" and "Create". An orange arrow points from the bottom right towards the "Create" button.

TC20 :To Check Functionality of login button

```
w.findElement(By.name("email")).sendKeys("senhalpatil14@gmail.com");
```

```
w.findElement(By.name("password")).sendKeys("43210");
```

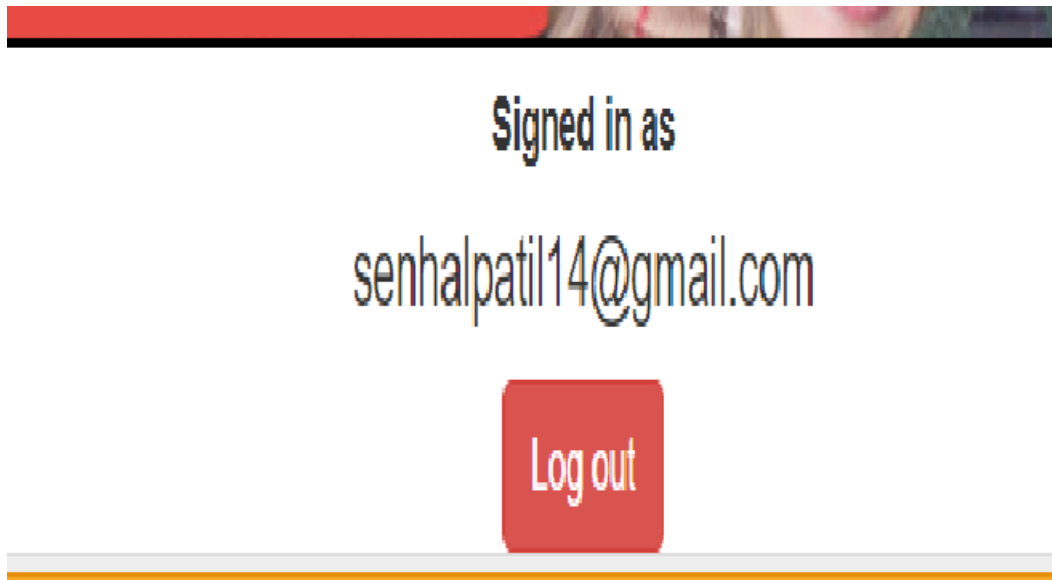
```
w.findElement(By.xpath("//body/div[3]/form[1]/div[3]/input[1]")).click();
```

The screenshot shows a login form. At the top is a "Register" button. Below it is the heading "Login". Under "Login" are two labels: "Email" and "Password". The "Email" label is above a text input field containing "senhalpatil14@gmail.com". The "Password" label is above a password input field with five dots. At the bottom is a "Log in" button.

```
System.out.println("Logged in succesfully for insurance project");
```

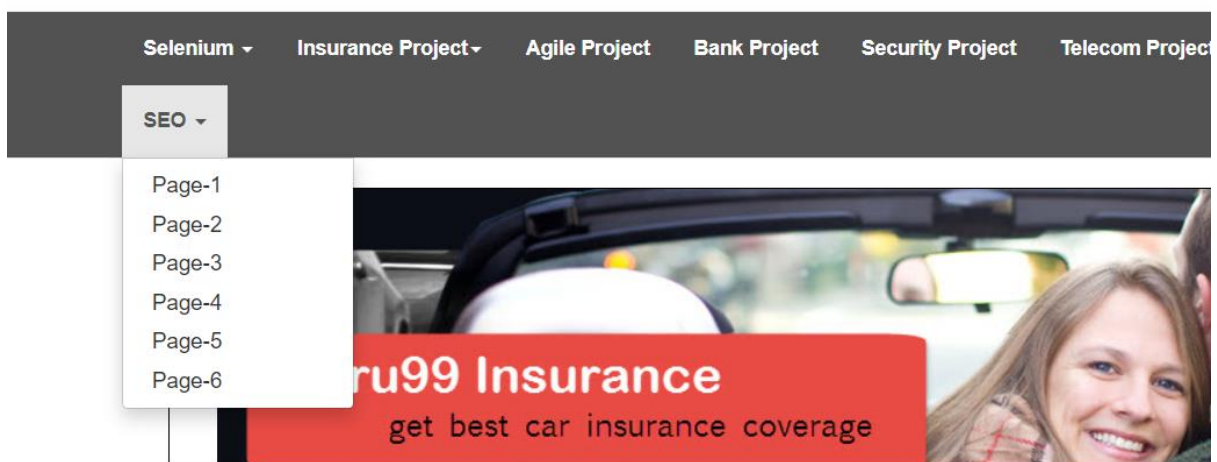
Tc21 To Check Functionality of Logout button

```
w.findElement(By.xpath("//body/div[3]/form[1]/input[1]")).click();  
//Scenario : logout Button  
System.out.println("Logout done Successfully");
```



TC22 : To Check Functionality of SEO button

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[11]/a[1]")).click();
```



Tc23 To Check Functionality of Page-1 of SEO button

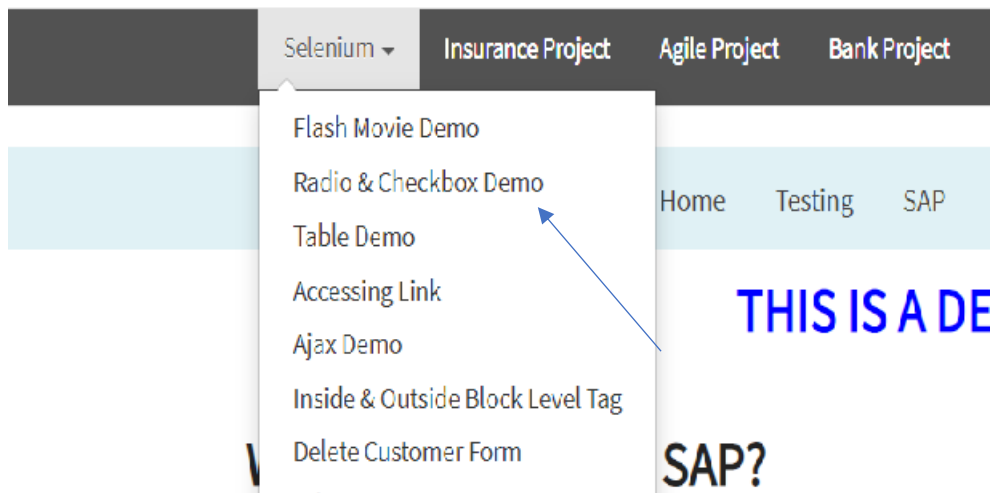
```
w.findElement(By.linkText("Page-1")).click();
JavascriptExecutor Js= (JavascriptExecutor ) w;
//It is interface to convert webdriver object to javascript object

Js.executeScript("window.scrollTo(0,document.body.scrollHeight)", "");
w.findElement(By.linkText("Java")).click();
System.out.println("Title of page is" + w.getTitle());

w.navigate().to("http://demo.guru99.com/test/newtours/register.php");
```

TC24 To Check Functionality of radio button & check box

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]/b[1]")).click();
w.findElement(By.linkText("Radio & Checkbox Demo")).click();
```



```
System.out.println("Radio & checkbox button is working");
Thread.sleep(2000);
w.findElement(By.id("vfb-7-2")).click();
Thread.sleep(2000);
w.findElement(By.id("vfb-6-2")).click();
System.out.println("Radio button & checkbox is working");
w.navigate().back();
```

Radio

☐ Option1

☒ Option2

☐ Option3

Checkbox

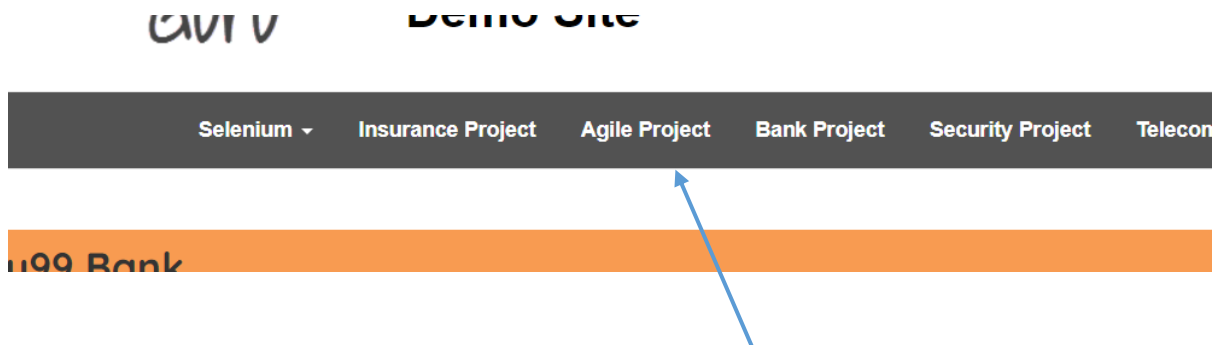
☐ Checkbox1

☒ Checkbox2

☐ Checkbox3

TC25: To Check Functionality of "Agile project tab"

```
w.findElement(By.linkText("Agile Project")).click();  
System.out.println("Agile project tab is opened");
```



```
w.close();
```

Console Window

```
<terminated> Automation_MiniProject [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (19-Jul-2021, 10:40:06 am)
Starting ChromeDriver 90.0.4430.24 (4c6d850f087da467d926e8eddb76550aed655991-refs/branch-heads/4430@{#429}) on port 7668
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
[1626671414.865][WARNING]: This version of ChromeDriver has not been tested with Chrome version 91.
Jul 19, 2021 10:40:15 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Title of Page isRegister: Mercury Tours
Register button is working
All textfields are working proper here
Registration done succesfully
Sign-Off button is working properly
Sign -ON Button is working
Submit Button is working
Show Message Login Successfully
Drag & drop option is opened
Logged in succesfully for insurance project
Logout done Successfully
Title of page isSEO Demo Page-1
Radio & checkbox button is working
Radio button & checkbox is working
Agile project tab is opend
```

Defects Found:

Defect 1: Non functional Defect: While registering as new user for insurance project the country spell is misspelled as “county”

Address

Street

City

County

Post code

sy24 5be

Defect 2: Functional Defect: While registering as new user test data is not visible in text fields & with half data it is registering .

To create your account, we'll need some basic information about you. This information will be used to send reservation confirmation emails, mail tickets when needed and contact you if your travel arrangements change. Please fill in the form completely.

Contact Information

First Name:

Last Name:

Phone:

Email:

Mailing Information

Address:

City:

State/Province:

Postal Code:

Country:

User Information

User Name:

Password:

Confirm Password:

Defect3 : Text fields while registering are taking single alphabets for name ,last name

completely.

Contact Information

First Name:

Last Name:

Phone:

Email:

Mailing Information

Address:

City:

State/Province:

Postal Code:

Country: