A project report on

# Demo Tour website using Automation

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# 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 time for manually doing this testing. In this project our main focus is to check functionalities available on website.

| | | |
|---|---|---|
| Operating System | : | Window 10 |
| Browser | : | Google Chrome Version 89.0.4389.90 |
| IDE | : | Eclipse IDE (Version: 2021-03 (4.19.0)) |
| Language | : | Java |
| Framework | : | Selenium Webdriver |

TC01: Launch Browser

```
System.setProperty("webdriver.gecko.driver","C:\\Users\\HP\\Desktop\\selenium jar\\geckodriver.exe");
WebDriver w=new FirefoxDriver();
```

TC02: open URL

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

TC03: to check registration page

```
w.findElement(By.linkText("REGISTER")).click();
w.findElement(By.name("firstName")).sendKeys("aaaa");
w.findElement(By.name("lastName")).sendKeys("bbbb");
w.findElement(By.name("phone")).sendKeys("11111111");
w.findElement(By.name("userName")).sendKeys("test");
w.findElement(By.name("address1")).sendKeys("cccc");
w.findElement(By.name("city")).sendKeys("dddd");
w.findElement(By.name("state")).sendKeys("eeee");
w.findElement(By.name("postalCode")).sendKeys("222222");

Select s=new Select(w.findElement(By.name("country")));
s.selectByIndex(5);

w.findElement(By.name("email")).sendKeys("test");
w.findElement(By.name("password")).sendKeys("test");
w.findElement(By.name("confirmPassword")).sendKeys("test");
w.findElement(By.name("submit")).click();

Thread.sleep(2000);
System.out.println(w.findElement(By.xpath("//tbody/tr[3]/td[1]/p[2]/font[1]")).getText());

w.navigate().back();
Thread.sleep(2000);
```

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

TC04: to check sign on page

```
w.findElement(By.linkText("SIGN-ON")).click();
w.findElement(By.name("userName")).sendKeys("project");
w.findElement(By.name("password")).sendKeys("project");
w.findElement(By.name("submit")).click();

Thread.sleep(2000);
System.out.println(w.findElement(By.xpath("//tbody//tr//td//h3")).getText());

w.navigate().back();
Thread.sleep(2000);
w.navigate().back();
```

Defect - login successful with invaild data

TC05: to check support button

```
w.findElement(By.linkText("SUPPORT")).click();
w.findElement(By.xpath("//tbody/tr[4]/td[1]/a[1]/img[1]")).click();
```

TC06: to check contact button

```
w.findElement(By.linkText("CONTACT")).click();
w.findElement(By.xpath("//tbody/tr[4]/td[1]/a[1]/img[1]")).click();
```

TC07: to check flights button

```
w.findElement(By.linkText("Flights")).click();
w.findElement(By.name("tripType")).click();
```

```
Select s1=new Select(w.findElement(By.name("passCount")));
s1.selectByVisibleText("2");

Select s2=new Select(w.findElement(By.name("fromPort")));
s2.selectByValue("New York");

Select s3=new Select(w.findElement(By.name("fromMonth")));
s3.selectByIndex(2);

Select s4=new Select(w.findElement(By.name("fromDay")));
s4.selectByValue("10");

Select s5=new Select(w.findElement(By.name("toPort")));
s5.selectByValue("Paris");

Select s6=new Select(w.findElement(By.name("toMonth")));
s6.selectByVisibleText("August");

Select s7=new Select(w.findElement(By.name("toDay")));
s7.selectByVisibleText("23");

w.findElement(By.xpath("//tbody/tr[9]/td[2]/font[1]/font[1]/input[2]")).click();

Select s8=new Select(w.findElement(By.xpath("//tbody/tr[10]/td[2]/select[1]")));
s8.selectByIndex(1);

w.findElement(By.xpath("//tbody/tr[14]/td[1]/input[1]")).click();
Thread.sleep(2000);
```

TC08: to check hotels button

```
w.findElement(By.xpath("//a[contains(text(),'Hotels')]")).click();
Thread.sleep(2000);
```

TC09: to check car rentals button

```
w.findElement(By.xpath("//a[contains(text(),'Car Rentals')]")).click();
Thread.sleep(2000);
```

TC10: to check cruises button

```
w.findElement(By.xpath("//a[contains(text(),'Cruises')]")).click();
Thread.sleep(2000);
```

TC11: to check destinations button

```
w.findElement(By.xpath("//a[contains(text(),'Destinations')]")).click();
Thread.sleep(2000);
```

TC12: to check vacations button

```
w.findElement(By.xpath("//a[contains(text(),'Vacations')]")).click();
Thread.sleep(2000);
```

TC13: to check back to home button

```
w.findElement(By.xpath("//tbody/tr[4]/td[1]/a[1]/img[1]")).click();
Thread.sleep(2000);
```

TC14: to check your destinations button

```
w.findElement(By.xpath("//a[contains(text(),'your destination')]")).click();
Thread.sleep(2000);
```

Defect - next page not opening

TC15: to check featured vacation destinations button

```
w.findElement(By.xpath("//a[contains(text(),'featured vacation destinations')]")).click();
Thread.sleep(2000);
```

Defect - next page not opening

TC16: to check register here button

```
JavascriptExecutor js=(JavascriptExecutor) w;
js.executeScript("window.scrollBy(0,3000)");
w.findElement(By.xpath("//a[contains(text(),'here')]")).click();
Thread.sleep(2000);
w.navigate().back();
```

TC17: to check business travel @about.com button

```
w.findElement(By.xpath("//a[contains(text(),'Travel @ About.com')]")).click();
Thread.sleep(2000);
w.navigate().back();
```

TC18: to check salon travel button

```
w.findElement(By.xpath("//a[contains(text(),'Vacations')]")).click();
Thread.sleep(2000);
w.navigate().back();
```

TC19: to click on radio and check button in selenium

```
w.findElement(By.xpath("/html/body/div[1]/div[2]/nav/div/div/ul/li[1]/a")).click();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Radio & Checkbox Demo')]")).click();
Thread.sleep(2000);
```

TC20: to check radio and check button

```
w.findElement(By.xpath("//input[@id='vfb-7-2']")).click();
w.findElement(By.xpath("//input[@id='vfb-6-0']")).click();
w.findElement(By.xpath("//input[@id='vfb-6-1']")).click();
w.findElement(By.xpath("//input[@id='vfb-6-2']")).click();
Thread.sleep(2000);
```

TC21: to click on accessing link button in selenium

```
w.findElement(By.xpath("//body/div[@id='includedContent']/div[1]/div[2]/nav[1]/div[1]
/div[1]/ul[1]/li[1]/a[1]")).click();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Accessing Link')]")).click();
Thread.sleep(2000);
```

TC22: to click on link 1

```
w.findElement(By.xpath("//body/a[1]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC23: to click on link 2

```
w.findElement(By.xpath("//body/a[2]")).click();
Thread.sleep(2000);
```

```
w.navigate().back();
Thread.sleep(2000);
```

TC24: to click on file upload button in selenium

```
w.findElement(By.xpath("//body/div[@id='includedContent']/div[1]/div[2]/nav[1]/div[1]
/div[1]/ul[1]/li[1]/a[1]")).click();
Thread.sleep(2000);
w.findElement(By.linkText("File Upload")).click();
Thread.sleep(2000);
```

TC25: to check file upload page in selenium

```
w.findElement(By.id("terms")).click();
Thread.sleep(2000);
w.findElement(By.id("submitbutton")).click();
Thread.sleep(2000);
```

Defect - file not selected but file uploaded successfully message displayed

TC26: to click on drag and drop button in selenium

```
w.findElement(By.xpath("//body/div[@id='includedContent']/div[1]/div[2]/nav[1]/div[1]
/div[1]/ul[1]/li[1]/a[1]")).click();
Thread.sleep(2000);
w.findElement(By.linkText("Drag and Drop Action")).click();
Thread.sleep(2000);
```

TC27: to check drag and drop functionality in selenium (debit side)

```
Actions a=new Actions(w);
```

```
a.dragAndDrop(w.findElement(By.xpath("//a[contains(text(),'BANK')]")),w.findElement(
By.xpath("//ol[@id='bank']"))).build().perform();
a.dragAndDrop(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[2]/a[1]")),w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[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]/t
d[2]/div[1]/div[1]/ol[1]/li[1]"))).build().perform();
```

TC28: to check drag and drop functionality in selenium (credit side)

```
a.dragAndDrop(w.findElement(By.xpath("//a[contains(text(),'SALES')]")),w.findElement(
By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[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]
"))).build().perform();
a.dragAndDrop(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]")),w.findElement(By.xpath("//body[1]/section[1]/div[1]/div[1]/main[1]/div[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]/t
d[2]/div[1]/div[1]/ol[1]/li[1]"))).build().perform();
```

TC29: to check flash movie demo in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Flash Movie Demo')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC30: to check table demo in selenium

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

```
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Table Demo')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC31: to check Ajax demo in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Ajax Demo')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC32: to check yahoo button in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Yahoo')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC33: to check tooltip button in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Tooltip')]")).click();
Thread.sleep(2000);
w.navigate().back();
```

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

TC34: to check social icon button in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Social Icon')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC35: to check selenium Auto IT in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Selenium Auto IT')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC36: to check Guru 99 demo page in selenium

```
w.findElement(By.xpath("//body/div[1]/div[2]/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).clic
k();
Thread.sleep(2000);
w.findElement(By.xpath("//a[contains(text(),'Guru99 Demo Page')]")).click();
Thread.sleep(2000);
w.navigate().back();
Thread.sleep(2000);
```

TC37: to click on Agile project button

```
w.findElement(By.linkText("Agile Project")).click();
Thread.sleep(2000);
```

TC38: to login with valid userID and password

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("1303");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Guru99");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
System.out.println(w.findElement(By.className("heading3")).getText());
w.navigate().back();
```

TC39: to login with invalid userID and valid password

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("0000");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Guru99");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
Alert a=w.switchTo().alert();
a.accept();
Thread.sleep(2000);
```

TC40: to login with valid userID and invalid password

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("1303");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("123");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
```

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

TC41: to login with valid userID and blank password

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("1303");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
Thread.sleep(2000);
```

TC42: to login with invalid userID and password

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("0000");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("123");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
Thread.sleep(2000);
```

TC43: to login with blank userID and valid password

```
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Guru99");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
Thread.sleep(2000);
```

TC44: to login with blank userID and password

```
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
Thread.sleep(2000);
```

TC45: to check reset button

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("1303");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Guru99");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[2]")).click();
Thread.sleep(2000);
```

TC46: to login with valid userID and password and check customer button

```
w.findElement(By.xpath("//tbody/tr[1]/td[2]/input[1]")).sendKeys("1303");
w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Guru99");
Thread.sleep(2000);
w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).click();
Thread.sleep(2000);
System.out.println(w.findElement(By.className("heading3")).getText());
w.findElement(By.xpath("//body/div[3]/div[1]/ul[1]/li[1]/a[1]")).click();
```

Defect – next page does not open

TC47: to click on mini statement button

```
Thread.sleep(3000);
w.findElement(By.xpath("/html/body/div[3]/div/ul/li[2]/a")).click();
Thread.sleep(2000);
```

TC48: Select no account number and click on submit

```
w.findElement(By.xpath("//tbody/tr[11]/td[2]/input[1]")).click();
Thread.sleep(2000);
a.accept();
Thread.sleep(2000);
```

TC49: Select 3308 account number and click on submit

```
Select s1= new
Select(w.findElement(By.xpath("/html/body/table/tbody/tr/td/table/tbody/tr[6]/td[2]/s
elect")));
s1.selectByValue("3308");
w.findElement(By.xpath("//tbody/tr[11]/td[2]/input[1]")).click();
Thread.sleep(2000);
w.navigate().back();
```

Defect - the dropdown is not working

TC50: Select 3309 account number and click on submit

```
Select s2= new Select(w.findElement(By.xpath("//tbody/tr[6]/td[2]/select[1]")));
s2.selectByValue("3309");
w.findElement(By.xpath("//tbody/tr[11]/td[2]/input[1]")).click();
Thread.sleep(2000);
w.navigate().back();
```

Defect - the dropdown is not working

TC51: to check reset button

```
w.findElement(By.xpath("//tbody/tr[11]/td[2]/input[2]")).click();
Thread.sleep(2000);
```

TC52: to click on logout button

```
w.findElement(By.xpath("//a[contains(text(),'Log out')]")).click();
Thread.sleep(2000);
a.accept();
System.out.println("logout successfull");
Thread.sleep(2000);
w.quit();
```