**A**

**Project**

**Report On**



### Automation testing using Selenium Webdriver demo tour website

**By**

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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. Also it includes title check and all links count with their working status.

**Software Requirements**

Operating System :- Window 7

Browser:- Latest version  **Firefox browser**

IDE :- Eclipse IDE

Front-end:- Java & Selenium

TC01- Launch the browser and open New Demo Tour Website.

**//1.Launch browser**

System.*setProperty*("webdriver.gecko.driver","C:\\Users\\dell\\Desktop\\selenium jar\\geckodriver.exe");

WebDriver w = new FirefoxDriver();

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

**TC02-login page Of Demo Tour Webside**

**//login page**

if(w.getTitle().equals("Welcome: Mercury Tours"))

{

//enter user name,password and click on submit

w.findElement(By.xpath("//tbody/tr[2]/td[2]/input[1]")).sendKeys("Test");

w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).sendKeys("test");

w.findElement(By.xpath("//tbody/tr[4]/td[2]/div[1]/input[1]")).click();

System.out.println("Login sucessful");

}

else

{

System.out.println("Login unsucessful");

}

System.out.println(w.getTitle());

if(w.getTitle().equals("Login: Mercury Tours"))

{

w.findElement(By.linkText("SIGN-OFF")).click(); //click on sign off

System.out.println("Signed off successful");//print sign off successful

}

else

{

System.out.println("Signoff unsucessful");

}

w.navigate().back();

w.navigate().refresh()

TC03- To test the functionality of Register Page of New Demo Tour Website.

**//click on register link**

w.findElement(By.*linkText*("REGISTER")).click();

**//Enter valid Usernam**

w.findElement(By.*name*("firstName")).sendKeys("shradha");

w.findElement(By.*name*("lastName")).sendKeys("shinde");

w.findElement(By.*name*("phone")).sendKeys("8208944593");

w.findElement(By.*name*("userName")).sendKeys("shradha4000@gmail.com");

w.findElement(By.*name*("address1")).sendKeys("ram nagar");

w.findElement(By.*name*("city")).sendKeys("Nanded");

w.findElement(By.*name*("state")).sendKeys("Maharashtra");

w.findElement(By.*name*("postalCode")).sendKeys("431605");

w.findElement(By.*name*("country")).click();

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

s.selectByValue("INDIA");

w.findElement(By.*name*("email")).sendKeys("shradha4000@gmail.com");

w.findElement(By.*name*("password")).sendKeys("ABC123");

w.findElement(By.*name*("confirmPassword")).sendKeys("ABC123");

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

**TC04- To test the functionality of Sign off,Support Click,Contact us and Home of New Demo Tour Website.**

//Enter user name,password click on submit

// sign off

// support click

// contact us

// Home

**//Enter user name,password and click on submit**

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

sendKeys("Test");

w.findElement(By.xpath("//tbody/tr[3]/td[2]/input[1]")).

sendKeys("test");

w.findElement(By.xpath("//tbody/tr[4]/td[2]/div[1]/input[1]")).

click();

System.out.println("Login sucessful");

**// sign off**

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

System.out.println("SIGN-OFF sucessful");

w.navigate().back();

w.navigate().refresh();

**// support click**

w.findElement(By.linkText("SUPPORT")).click();

w.findElement(By.xpath("/html[1]/body[1]/div[2]/table[1]/tbody[1]/tr[1]/td[2]/table[1]/tbody[1]/tr[4]/td[1]/table[1]/tbody[1]/tr[1]/td[2]/table[1]/tbody[1]/tr[4]/td[1]/a[1]/img[1]")).click();

System.out.println("SUPPORT successful");

w.navigate().back();

w.navigate().refresh();

**// contact us**

w.findElement(By.linkText("CONTACT")).click();

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

System.out.println("Contact successful");

w.navigate().back();

w.navigate().refresh();

**// Home**

w.findElement(By.linkText("Home")).click();

System.out.println("open Home successful");

w.navigate().back();

w.navigate().refresh();

**TC\_05- To Test the functionality of Flight New Demo Tour Website**.

**// Flight**

Thread.sleep(200);

w.findElement(By.linkText("Flights")).click();

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

w.findElement(By.name("passCount")).click();

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

s1.selectByValue("2");

w.findElement(By.name("fromPort")).click();

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

s2.selectByValue("Paris");

w.findElement(By.name("fromMonth")).click();

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

s3.selectByVisibleText("March");

w.findElement(By.name("fromDay")).click();

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

s4.selectByValue("6");

w.findElement(By.name("toPort")).click();

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

s5.selectByValue("Portland");

w.findElement(By.xpath("//tbody/tr[7]/td[2]/select[1]")).click();

Select s6 = new Select(w.findElement(By.xpath("//tbody/tr[7]/td[2]/select[1]")));

s6.selectByVisibleText("November");

w.findElement(By.name("toDay")).click();

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

s7.selectByValue("29");

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

w.findElement(By.name("airline")).click();

Select s8 = new Select(w.findElement(By.name("airline")));

s8.selectByVisibleText("Pangea Airlines");

w.findElement(By.name("findFlights")).click();

Thread.sleep(500);

**TC\_06- To Test the functionality like Home,Car rentals ,cruises and VacationsDestinations on New Demo Tour Website**

**// Hotels**

w.findElement(By.*linkText*("Hotels")).click();

System.***out***.println("Hotels click successful");

w.navigate().back();

w.navigate().refresh();

**// Car Rentals**

w.findElement(By.*linkText*("Car Rentals")).click();

System.***out***.println("Car Rentals click successful");

w.navigate().back();

w.navigate().refresh();

**// Cruises**

w.findElement(By.*linkText*("Cruises")).click();

System.***out***.println("Cruises click successful");

w.navigate().back();

w.navigate().refresh();

**// VacationsDestinations**

w.findElement(By.*linkText*("Vacations")).click();

System.***out***.println("Vacations click successful");

w.navigate().back();

w.navigate().refresh();

**TC\_07- Login Insurance Project Register And Fill the Information**

**// Register**

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

w.findElement(By.*xpath*("/html/body/div[3]/a")).click();

Thread.*sleep*(200);

**//sign up as a new user**

w.findElement(By.*id*("user\_title")).click();

Select list = **new** Select(w.findElement(By.*id*("user\_title")));

list.selectByIndex(3);

w.findElement(By.*id*("user\_firstname")).sendKeys("SHRADHA");

w.findElement(By.*id*("user\_surname")).sendKeys("BAPURAO");

w.findElement(By.*id*("user\_phone")).sendKeys("820944593");

**//Date of birth**

w.findElement(By.*id*("user\_dateofbirth\_1i")).click();

Select dob = **new** Select(w.findElement(By.*id*("user\_dateofbirth\_1i")));

dob.selectByValue("1947");

w.findElement(By.*id*("user\_dateofbirth\_2i")).click();

Select frstdrop = **new** Select(w.findElement(By.*id*("user\_dateofbirth\_2i")));

frstdrop.selectByIndex(5);

w.findElement(By.*id*("user\_dateofbirth\_3i")).click();

Select snddrop = **new** Select(w.findElement(By.*id*("user\_dateofbirth\_3i")));

snddrop.selectByValue("18");

w.findElement(By.*xpath*("//\*[@id=\"new\_user\"]/div[2]/div[4]/label[2]")).click();

//Licence Period

w.findElement(By.*id*("user\_licenceperiod")).click();

Select t = **new** Select(w.findElement(By.*id*("user\_licenceperiod")));

t.selectByIndex(2);

//Occupation

w.findElement(By.*id*("user\_occupation\_id")).click();

Select id = **new** Select(w.findElement(By.*id*("user\_occupation\_id")));

id.selectByIndex(2);

//Address Street

w.findElement(By.*id*("user\_address\_attributes\_street")).sendKeys("RAMAGAR");

**//City**

w.findElement(By.*id*("user\_address\_attributes\_city")).sendKeys("pune");

**//County**

w.findElement(By.*id*("user\_address\_attributes\_county")).sendKeys("india");

**//postcode**

w.findElement(By.*id*("user\_address\_attributes\_postcode")).sendKeys("412001");

**//email**

w.findElement(By.*id*("user\_user\_detail\_attributes\_email")).sendKeys("shradha4000@gmail.com");

//password

w.findElement(By.*id*("user\_user\_detail\_attributes\_password")).sendKeys("test123");

//password\_confirmation

w.findElement(By.*id*("user\_user\_detail\_attributes\_password\_confirmation")).sendKeys("test123");

w.findElement(By.*xpath*("//\*[@id=\"new\_user\"]/div[5]/input[2]")).click();

w.navigate().back();

w.navigate().refresh();

**TC\_08- To test the functionality of drag and drop action**

**of New Demo Tour Website.**

**// selenium = drag and drop action**

Thread.*sleep*(2000);

w.findElement(By.*xpath*("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/a")).click();

w.findElement(By.*xpath*("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/ul/li[19]/a")).click();

**// WebElement on which drag and drop operation needs to be performed**

WebElement from = w.findElement(By.*xpath*("//\*[@id=\"credit2\"]/a"));

**// WebElement to which the above objectxpat is dropped**

WebElement to = w.findElement(By.*xpath*("//\*[@id=\"bank\"]/li"));

**// Creating object of Actions class to build composite actions**

Actions act = **new** Actions(w);

**// Thread.sleep(5000);**

**// Performing the drag and drop action**

act.dragAndDrop(from, to).perform();

System.***out***.println("Done selenium testing");

**TC\_09- To test the functionality of accessing link**

**of New Demo Tour Website.**

**// accessing link**

Thread.sleep(2000);

w.findElement(By.xpath("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/a")).click();

w.findElement(By.xpath("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/ul/li[4]/a")).click();

w.findElement(By.xpath("/html/body/a[1]")).click();

w.navigate().back();

**TC\_10- To test the functionality of yahoo, tooltip**

**of New Demo Tour Website.**

// SELENIUM = yahoo

Thread.*sleep*(2000);

w.findElement(By.*xpath*("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/a")).click();

w.findElement(By.*linkText*("Yahoo")).click();

Thread.*sleep*(2000);

w.navigate().back();

// selenium = tooltip

Thread.*sleep*(2000);

w.findElement(By.*xpath*("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/a")).click();

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

System.***out***.println( "tooltip click successful");

w.navigate().back();

// selenium = file upload

Thread.*sleep*(2000);

w.findElement(By.*xpath*("//\*[@id=\"navbar-brand-centered\"]/ul/li[1]/a")).click();

w.findElement(By.*linkText*("File Upload")).click();

Thread.*sleep*(2000);

w.findElement(By.*xpath*("//\*[@id=\"uploadfile\_0\"]")).sendKeys("C:\\Users\\dell\\Desktop\\shradha resume.docx");

w.findElement(By.*id*("terms")).click();

w.findElement(By.*xpath*("//\*[@id=\"submitbutton\"]")).click();

System.***out***.println( "file upload click successful");

w.navigate().back();