

Link: <http://newtours.demoaut.com/>

Write 5 functional test cases (Manual) and then automate them

Test Plan Name Over TestLink: Live Project_(Today's date)

Scenario finalized for Automation:

- Successful registration with valid data
- Log in with a registered user in above step and book the flight with checking the Itinerary (End to End)
- Negative Test Case: Booking Flight with same departure and arrival city
- Negative Test Case: No booking without passenger details
- Negative Test Case: No booking with same From Date greater than To date

Code:-

```
package Demo;
```

```
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;
```

```
import org.testng.Assert;
```

```
import org.testng.annotations.*;
```

```
public class AutomationDemo {
```

```
    WebDriver driver=null;
```

```
    @BeforeSuite
```

```
    public void setup(){
```

```
        System.setProperty("webdriver.chrome.driver",
```

```
        "/home/nikhil/Downloads/chromedriver_linux64/chromedriver");
```

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

```
        driver.get("http://newtours.demoaut.com/mercurysignon.php");
```

```
    }
```

```
    @BeforeTest
```

```
    public void login(){
```

```
        driver.findElement(By.name("userName")).sendKeys("Nikhil");
```

```
        driver.findElement(By.name("password")).sendKeys("nikhil");
```

```
        driver.findElement(By.name("login")).click();
```

```
        String expected = "http://newtours.demoaut.com/mercuryreservation.php?";
```

```
        //Assert.assertEquals(expected,driver.getCurrentUrl());
```

```
        Assert.assertTrue(driver.getCurrentUrl().contains(expected));
```

```
    }
```

```
    @Test(enabled = false)
```

```
    public void reservationTest() throws InterruptedException {
```

```
        driver.findElement(By.xpath("//input[@value='oneway']")).click();
```

```

Select passenger = new Select(driver.findElement(By.name("passCount")));
passenger.selectByVisibleText("4");
Select from = new Select(driver.findElement(By.name("fromPort")));
from.selectByVisibleText("Sydney");
Select month = new Select(driver.findElement(By.name("fromMonth")));
month.selectByVisibleText("March");
Select day = new Select(driver.findElement(By.name("fromDay")));
day.selectByVisibleText("6");
Select to = new Select(driver.findElement(By.name("toPort")));
to.selectByVisibleText("London");
Select returnMonth = new Select(driver.findElement(By.name("toMonth")));
returnMonth.selectByVisibleText("March");
Select returnDay = new Select(driver.findElement(By.name("toDay")));
returnDay.selectByVisibleText("23");
driver.findElement(By.cssSelector("input[value='First']")).click();
Select airline = new Select(driver.findElement(By.name("airline")));
airline.selectByVisibleText("Blue Skies Airlines");
driver.findElement(By.name("findFlights")).click();
Thread.sleep(3000);
String URI = "http://newtours.demoaut.com/mercuryreservation2.php";
Assert.assertTrue(driver.getCurrentUrl().contains(URI));
}

```

```

@Test(dependsOnMethods = {"reservationTest"})
public void reservationTest2() throws InterruptedException {
    driver.findElement(By.xpath("//input[@value='Blue Skies Airlines$361$271$7:10']")).click();
    driver.findElement(By.xpath("//input[@value='Blue Skies Airlines$631$273$14:30']")).click();
    driver.findElement(By.name("reserveFlights")).click();
    Thread.sleep(3000);

    String url = "http://newtours.demoaut.com/mercurypurchase.php";
    Assert.assertTrue(driver.getCurrentUrl().contains(url));
}

```

```

@Test(dependsOnMethods = {"reservationTest2", "reservationTest"}, enabled = false)
public void purchaseTestWithoutPassengerDetails() throws InterruptedException {
    driver.findElement(By.name("buyFlights")).click();
    Thread.sleep(3000);

    String exp = "Your itinerary has been booked!";
    Assert.assertFalse(driver.findElement(By.xpath("//font[@size='+1']")).getText().equalsIgnoreCase(exp));
}

```

```

@Test(dependsOnMethods = {"reservationTest2", "reservationTest"})
public void purchaseTest() throws InterruptedException {
    driver.findElement(By.name("passFirst0")).sendKeys("Nikhil");
    driver.findElement(By.name("passLast0")).sendKeys("Sharma");
    Select meal = new Select(driver.findElement(By.name("pass.0.meal")));
    meal.selectByVisibleText("Hindu");
}

```

```

Select creditCard = new Select(driver.findElement(By.name("creditCard")));
creditCard.selectByVisibleText("Visa");
driver.findElement(By.name("creditnumber")).sendKeys("1234567890");
Select expmon = new Select(driver.findElement(By.name("cc_exp_dt_mn")));
expmon.selectByVisibleText("12");
Select expyr = new Select(driver.findElement(By.name("cc_exp_dt_yr")));
expyr.selectByVisibleText("2009");
driver.findElement(By.name("cc_frst_name")).sendKeys("Nikhil");
driver.findElement(By.name("cc_last_name")).sendKeys("Sharma");
driver.findElement(By.name("billAddress1")).sendKeys("D-7 site no2 industrial area panki kanpur");
driver.findElement(By.name("billCity")).sendKeys("Kanpur");
driver.findElement(By.name("billState")).sendKeys("U.P.");
driver.findElement(By.name("billZip")).sendKeys("208022");
Select country = new Select(driver.findElement(By.name("billCountry")));
country.selectByVisibleText("INDIA");
driver.findElements(By.name("ticketLess")).get(1).click();
driver.findElement(By.name("buyFlights")).click();
Thread.sleep(2000);
String exp = "Your itinerary has been booked!";
Assert.assertTrue(driver.findElement(By.xpath("//font[@size='+1']")).getText().equalsIgnoreCase(exp));
}

```

@Test(enabled = false)

```

public void reservationTestWithSameToAndFromPlace() throws InterruptedException {
    driver.findElement(By.xpath("//input[@value='oneway']")).click();
    Select passenger = new Select(driver.findElement(By.name("passCount")));
    passenger.selectByVisibleText("4");
    Select from = new Select(driver.findElement(By.name("fromPort")));
    from.selectByVisibleText("London");
    Select month = new Select(driver.findElement(By.name("fromMonth")));
    month.selectByVisibleText("March");
    Select day = new Select(driver.findElement(By.name("fromDay")));
    day.selectByVisibleText("6");
    Select to = new Select(driver.findElement(By.name("toPort")));
    to.selectByVisibleText("London");
    Select returnMonth = new Select(driver.findElement(By.name("toMonth")));
    returnMonth.selectByVisibleText("March");
    Select returnDay = new Select(driver.findElement(By.name("toDay")));
    returnDay.selectByVisibleText("23");
    driver.findElement(By.cssSelector("input[value='First']")).click();
    Select airline = new Select(driver.findElement(By.name("airline")));
    airline.selectByVisibleText("Blue Skies Airlines");
    driver.findElement(By.name("findFlights")).click();
    Thread.sleep(3000);
    String URI = "http://newtours.demoaut.com/mercuryreservation2.php";
    Assert.assertFalse(driver.getCurrentUrl().contains(URI));
}

```

@Test

```

public void reservationTestWithFromDateGreaterThanToDate() throws InterruptedException {
    driver.findElement(By.xpath("//input[@value='oneway']")).click();
    Select passenger = new Select(driver.findElement(By.name("passCount")));
    passenger.selectByVisibleText("4");
    Select from = new Select(driver.findElement(By.name("fromPort")));
    from.selectByVisibleText("Sydney");
    Select month = new Select(driver.findElement(By.name("fromMonth")));
    month.selectByVisibleText("March");
    Select day = new Select(driver.findElement(By.name("fromDay")));
    day.selectByVisibleText("26");
    Select to = new Select(driver.findElement(By.name("toPort")));
    to.selectByVisibleText("London");
    Select returnMonth = new Select(driver.findElement(By.name("toMonth")));
    returnMonth.selectByVisibleText("January");
    Select returnDay = new Select(driver.findElement(By.name("toDay")));
    returnDay.selectByVisibleText("23");
    driver.findElement(By.cssSelector("input[value='First']")).click();
    Select airline = new Select(driver.findElement(By.name("airline")));
    airline.selectByVisibleText("Blue Skies Airlines");
    driver.findElement(By.name("findFlights")).click();
    Thread.sleep(3000);
    String URI = "http://newtours.demoaut.com/mercuryreservation2.php";
    Assert.assertFalse(driver.getCurrentUrl().contains(URI));
}

@AfterSuite
public void shut(){
    driver.quit();
}
}

```

Result:-

S.No	TestCase	Status
1	Login	Pass
2	End TO End flow	Pass
3	Same departure and arrival city	Fail
4	Blank passenger details	Fail
5	From date greater than return date	Fail