

Project on Spicejet Website to flight **Booking**



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SLA Testing Batch

ABSTRACT

1.Objective: Automation of the booking the flight tickets process SpiceJet using Selenium TestNG and Maven with Page object model in Eclipse.

2.Steps:

- Sign in with mobile no. and password.
- Booking round trip and selecting the from to locations
Selecting the date and Adding Number of Passenger.
- Apply it then search for flights.
- Selecting Flight price.
- Filling the main details then filling each passenger details one by one then continue.
- Selecting the seats.
- Finally proceed to payment.

3.Purpose: Automated testing improves the productivity and accuracy of booking the flights on the Spicejet.

Testing Spicejet Website in browser

```
package Chome;

import java.io.File;
import java.io.IOException;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions;
import org.testng.Assert;
import org.testng.annotations.Test;
import com.google.common.io.Files;
import pageTest.Information;
import pageTest.BookSeat;
import pageTest.Booking;
import pageTest.Login;
import resources.Base;

public class MainPage extends Base {

    public WebDriver driver;
    @Test
    public void loginBase() throws InterruptedException, IOException {
        driver = initializeDriver();
        driver.get(pro.getProperty("url"));

        //Login Process
        Login log = new Login(driver);
        Thread.sleep(2000);
        log.Loginbtn().click();
        log.Phone().sendKeys("8610170598");
        log.Password().sendKeys("Hello");
        Thread.sleep(2000);
        log.Loginbtn1().click();

        if(log.Failure().isDisplayed()) {
            log.Phone().sendKeys(Keys.CONTROL + "a");
            log.Phone().sendKeys(Keys.DELETE);
            log.Password().sendKeys(Keys.CONTROL + "a");
            log.Password().sendKeys(Keys.DELETE);

            Thread.sleep(4000);
        }
    }
}
```

```

        log.Phone().sendKeys("8610170598");
        log.Password().sendKeys("#Naruto2002");
        File src1 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
        Files.copy(src1, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\1.Login.png"));
        log.Loginbtn1().click();
    }
    //Booking process
    Booking book = new Booking(driver);
    Actions act = new Actions(driver);
    Thread.sleep(5000);
    act.click(book.RoundTrip()).perform();
    book.From().sendKeys("MAA");
    Thread.sleep(1000);
    book.To().sendKeys("DEL",Keys.ENTER);
    Thread.sleep(2000);
    book.Date1().click();
    book.Date2().click();
    book.Passengers().click();
    for (int i = 1;i<4;i++) {
        book.Adultbtn().click();
    }
    int i = 1;
    while(i<=2){
        book.ChildBtn().click();
        book.Infantbtn().click();
        i++;
    }
    book.Donebtn().click();

    Assert.assertEquals(book.Check().getText(),"4 Adults, 2 Children, 2 Infants");
    File src2 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
    Files.copy(src2, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\2.Information.png"));
    book.Searchbtn().click();

    JavascriptExecutor js = (JavascriptExecutor) driver;
    File src3 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
    Files.copy(src3, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\3.Check.png"));
    Thread.sleep(6000);
    book.Continue().click();
    //Filling the personal details
    Information info = new Information(driver);
    Thread.sleep(8000);
    info.City().sendKeys("Chennai");
    File src4 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
    Files.copy(src4, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\4.Contact.png"));

    String[] texts = {"9972798419","8672076111","6482056839","9471503592"};
    info.P1First().sendKeys("Vignesh");
    info.P1Last().sendKeys("Raj");

```

```
WebElement input1 = info.Tickbox().get(0);
input1.sendKeys(texts[0]);
Thread.sleep(2000);
info.Infobtn().click();
```

```
info.P2First().sendKeys("Ram");
info.P2Last().sendKeys("Sunder");
WebElement input2 = info.Tickbox().get(0);
input2.sendKeys(texts[1]);
Thread.sleep(2000);
info.Infobtn().click();
```

```
js.executeScript("window.scrollTo(0,100)");
info.Default().click();
info.Select2().click();
info.P3First().sendKeys("Naisha");
info.P3Last().sendKeys("Karan");
WebElement input3 = info.Tickbox().get(0);
input3.sendKeys(texts[2]);
Thread.sleep(2000);
info.Infobtn().click();
```

```
info.Default().click();
info.Select2().click();
js.executeScript("window.scrollTo(0,100)");
info.P4First().sendKeys("Priyanka");
info.P4Last().sendKeys("Sarala");
WebElement input4 = info.Tickbox().get(0);
input4.sendKeys(texts[3]);
Thread.sleep(2000);
info.Infobtn().click();
```

```
info.Default().click();
info.Selectop2().click();
info.P5First().sendKeys("Ravi");
info.P5Last().sendKeys("Kannan");
Thread.sleep(2000);
info.Infobtn().click();
```

```
info.Default().click();
info.Selectop1().click();
info.P6First().sendKeys("Kavi");
info.P6Last().sendKeys("Shree");
Thread.sleep(2000);
info.Infobtn().click();
```

```
info.Title1().click();
info.Selectop2().click();
info.P7First().sendKeys("Saran");
```

```

info.P7Last().sendKeys("Vel");
info.Birth().click();
info.Year().click();
info.Month().click();
info.Date().click();
info.Travel1().click();
info.Pick1().click();
Thread.sleep(2000);
info.Infobtn().click();

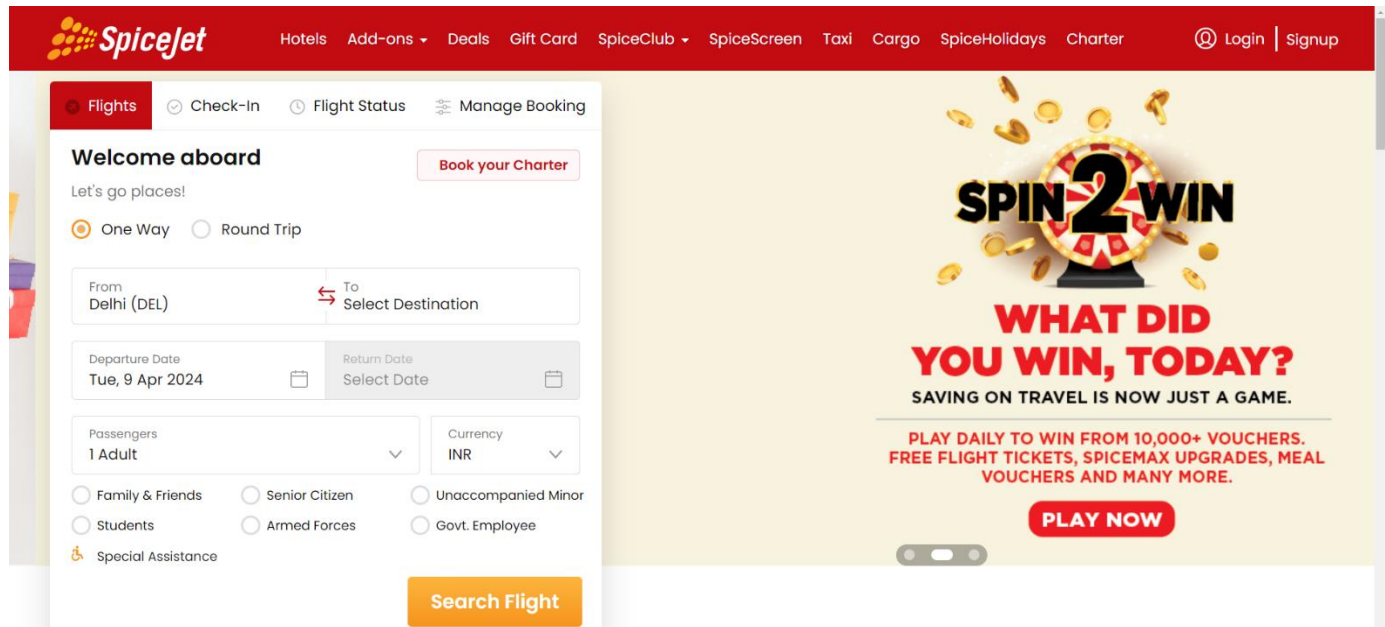
js.executeScript("window.scrollTo(0,100)");
info.Title1().click();
info.Selectop1().click();
info.P8First().sendKeys("Karishma");
info.P8Last().sendKeys("Shree");
info.Birth().click();
info.Year().click();
info.Month().click();
info.Date().click();
info.Travel2().click();
info.Pick2().click();
js.executeScript("window.scrollTo(0,-300)");
info.Justbtn().click();
File src5 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
Files.copy(src5, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\5.Information.png"));
Thread.sleep(4000);
info.Con().click();

//Booking the seats
BookSeat seat=new BookSeat(driver);
Thread.sleep(2000);
seat.PreBook().click();
Thread.sleep(4000);
seat.Seat1().click();
seat.Seat4().click();
seat.Seat2().click();
seat.Seat5().click();
seat.Seat3().click();
seat.Seat6().click();
Thread.sleep(5000);
seat.Done().click();
js.executeScript("window.scrollTo(0,950)");
Thread.sleep(5000);
seat.Continue().click();
Thread.sleep(4000);
File src6 = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
Files.copy(src6, new File("E:\\Code\\Selenium\\Spicejet.com\\ScreenShot\\6.Payment.png"));
}
}

```

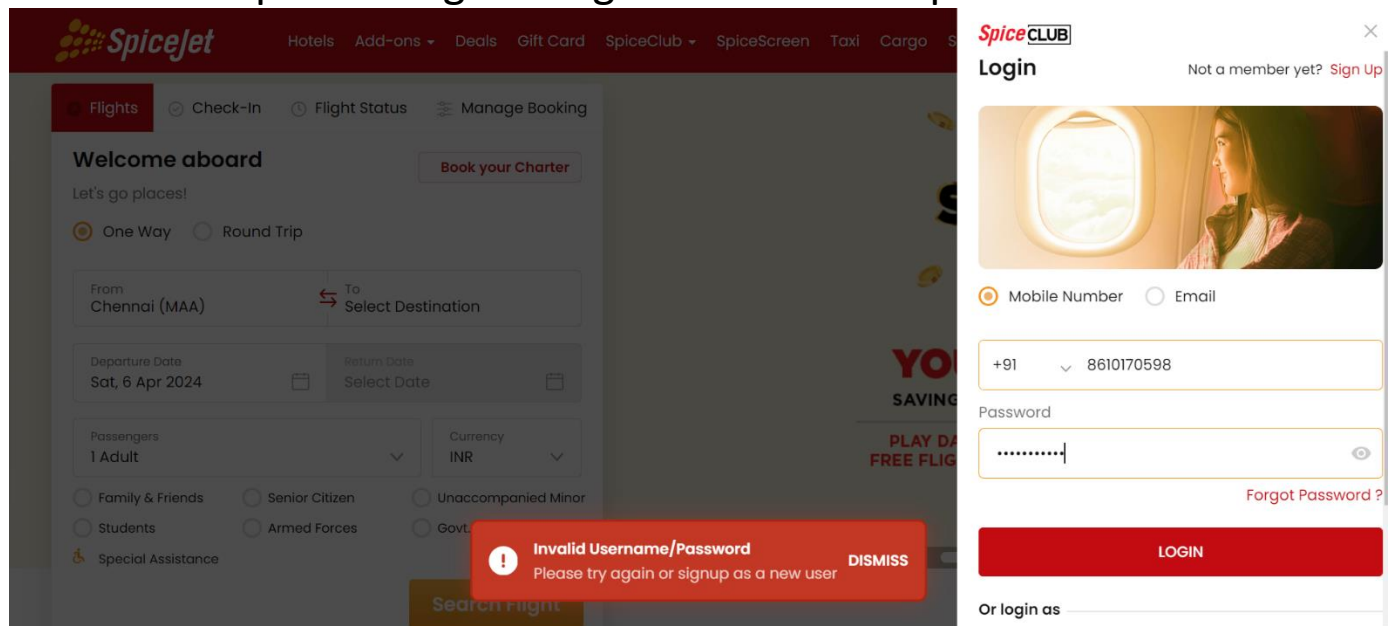
Booking the flight tickets in spicejet

1.After the automated code runs



The image shows the SpiceJet homepage. The top navigation bar includes links for Hotels, Add-ons, Deals, Gift Card, SpiceClub, SpiceScreen, Taxi, Cargo, SpiceHolidays, and Charter. There are also links for Login and Signup. The main content area is divided into two sections. On the left, there is a 'Welcome aboard' section with a 'Book your Charter' button. Below this, there are options for One Way or Round Trip flights. The flight search form includes fields for From (Delhi (DEL)), To (Select Destination), Departure Date (Tue, 9 Apr 2024), Return Date (Select Date), Passengers (1 Adult), and Currency (INR). There are also checkboxes for Family & Friends, Senior Citizen, Unaccompanied Minor, Students, Armed Forces, and Govt. Employee, and a Special Assistance button. A 'Search Flight' button is at the bottom. On the right, there is a large promotional banner for 'SPIN 2 WIN' with the text 'WHAT DID YOU WIN, TODAY?' and 'SAVING ON TRAVEL IS NOW JUST A GAME.' It encourages users to play daily to win from 10,000+ vouchers, including free flight tickets, Spicemax upgrades, meal vouchers, and more. A 'PLAY NOW' button is at the bottom of the banner.


2.Second step it will login using mobile no. and password



The image shows the SpiceJet login page. The top navigation bar is the same as the previous image. The main content area is divided into two sections. On the left, there is a 'Welcome aboard' section with a 'Book your Charter' button. Below this, there are options for One Way or Round Trip flights. The flight search form includes fields for From (Chennai (MAA)), To (Select Destination), Departure Date (Sat, 6 Apr 2024), Return Date (Select Date), Passengers (1 Adult), and Currency (INR). There are also checkboxes for Family & Friends, Senior Citizen, Unaccompanied Minor, Students, Armed Forces, and Govt. Employee, and a Special Assistance button. A 'Search Flight' button is at the bottom. On the right, there is a 'Spice CLUB' header and a 'Login' section. The login form includes a 'Mobile Number' field with a dropdown for country code (+91) and a text input for the number (8610170598). There is a 'Password' field with a dropdown for country code (+91) and a text input for the password (.....). There is a 'Forgot Password?' link. A 'LOGIN' button is at the bottom. There is also a 'Or login as' section with a text input for the email address.

Invalid Username/Password
Please try again or signup as a new user **DISMISS**

3.It will book the ticket



[Hotels](#) [Add-ons](#) [Deals](#) [Gift Card](#) [SpiceClub](#) [SpiceScreen](#) [Taxi](#) [Cargo](#) [SpiceHolidays](#) [Charter](#)

Hi Vignesh

0 SC Points

Let's go places!

☐ One Way

☒ Round Trip

From
Chennai (MAA)

To
Delhi (DEL)

Departure Date
Sat, 30 Mar 2024

Return Date
Fri, 5 Apr 2024

Passengers
4 Adults, 2 Children, 2 Infants

Currency
INR

☐ Family & Friends

☐ Senior Citizen

☐ Unaccompanied Minor

☐ Students

☐ Armed Forces

☐ Govt. Employee

☒ Special Assistance

Search Flight

Book tickets on
SpiceJet's mobile app
or website and get:


UP TO 20% OFF*

ON ONE-WAY DOMESTIC FLIGHT FARES.

BOOKING PERIOD: Till 14th April, 2024
TRAVEL DATE: Till 30th September, 2024*


PROMO CODE: FESTIVE

Book Now



Use our **Change Assist** portal for easy rescheduling or refunds for your affected flight.

4.Checking the flight price



Hi Vignesh

0 SC Points

1 Flights

2 Passengers

3 Add-ons

4 Payment

Round Trip : Chennai to Delhi

Depart Date : Tue, 09 Apr 2024

Return Date : Sat, 20 Apr 2024

Passengers : 4 Adults 2 Children 2 Infants

Modify Search

Select your Departure to Delhi

Tue, 09 Apr 2024

Filter By ☒ All Flights ☐ Direct

< Previous Day

Sat, 06 Apr
₹ 8,078

Sun, 07 Apr
₹ 7,028

Mon, 08 Apr
₹ 6,712

Tue, 09 Apr
₹ 6,712

Wed, 10 Apr
₹ 6,712

Thu, 11 Apr
₹ 6,712

Fri, 12 Apr
₹ 6,712

Next Day >

DEPARTS

DURATION

ARRIVES

Compare Fares >

SpiceSaver ↓

SpiceFlex

SpiceMax

20:55
MAA
Flight Details

✈ 3h 15m

00:10⁺¹
DEL

SG 106
Direct

☒ ₹ 5,110

☐ ₹ 7,342

☐ ₹ 8,391

14:40

✈ 4h 50m

19:30

SG 8947

☐

☐

☐

MAA ↔ DEL

Chennai to Delhi, 09 Apr 2024 - 20 Apr 2024

• 4 Adults • 2 Children • 2 Infants

Need more time to decide? Hold this fare for the next 48 hours.


Hold Fare Now

₹ 74,182

Details inclusive of taxes

Continue

5. Filling the details



Hi Vignesh
0 SC Points

1 Flights2 Passengers3 Add-ons4 Payment

Contact Details

Flight related information will be sent to the submitted email address/contact number.

Title*
Mr

First and Middle Name*
VIGNESH

Last Name*
RAJ T

Contact Number*
+91 8610170598

Email Address*
vignesh2002raj@gmail.co

Country*
India

Town or City
Chennai

☐ I prefer not to receive future communication and newsletter from SpiceJet over text, WhatsApp or e-mail.

☐ I have a GST number (optional)

Passenger Information

Name should be as per Govt. approved photo-ID

Trip Summary

Chennai → Delhi

Flight SG 626 / 8194 Sat, 30 Mar 2024 23:55

Delhi → Chennai

Flight SG 105 Fri, 05 Apr 2024 05:40

Payable Amount

(Incl. of taxes)

₹ 95,116.00

Continue

6. Filling the all passenger details

Mr VIGNESH RAJ

Mr RAM SUNDER

Mrs NAISHA KARAN

Mrs PRIYANKA SARALA

Master RAVI KANNAN


Miss KAVI SHREE

Master SARAN VEL

Miss KARISHMA SHREE

Continue

7.Booking the seats



✓ Flights

✓ Passengers


3 Add-ons

4 Payment


Hi Vignesh
0 SC Points


Add-ons


Enhance your travel experience with these ancillaries


**SpiceMax**
Upgrade to the best seat in the sky!

Add >

**Seat with extra legroom**

**Meal with beverage**

**Priority check-in, boarding and baggage delivery**

**SpicePlus**
Complement your travel with comfort, convenience and savings.
(Priority Services + Meal & Beverage + Preferred Seat)

Add >

₹ 400 onwards

Trip Summary

Convenience fee may apply ⓘ

Chennai → Delhi
Flight SG 106 Tue, 09 Apr 2024 20:55
₹ 34,160

Price Summary ^

4 Adult (SpiceSaver Fare) ₹ 16,196

2 Child (SpiceSaver Fare) ₹ 8,098

Infant (2) ₹ 3,500

CUTE Fee ₹ 294

RCS Fee ₹ 600


User Development Fee - Departure ₹ 2,796

Delhi → Chennai
Flight SG 105 Sat, 20 Apr 2024 05:40
₹ 40,022


Price Summary ^


Add-ons


Enhance your travel experience with these ancillaries


**SpiceMax**
Upgrade to the best seat in the sky!

Add >

**Seat with extra legroom**

**Meal with beverage**

**Priority check-in, boarding and baggage delivery**


**SpicePlus**
Complement your travel with comfort, convenience and savings.
(Priority Services + Meal & Beverage + Preferred Seat)

Add >

₹ 400 onwards

Choose Your Seats

Pre-book your seats to ensure the best travel experience

**SpiceCafé**
Pamper your taste buds with delicious food and beverages

Add >

Seat Selection

MAA - DEL

1 Mr. Ram Sunder
(with Master Saran Vel)
6A ₹ 400

2 Mr. Vignesh Raj T
6B ₹ 350

3 Mr. Naisha Karan
(with Miss Karishma Shree)
6C ₹ 400

4 Mr. Priyanka Sarala

View Terms and Conditions ^


By clicking on Done, you agree to the T&C mentioned above. In case of any exigencies, SpiceJet reserves the right to change an assigned seat without prior notice. In such a case, the seat fee will be refunded.


Total Add-ons
₹ 2300


Done


SEAT SELECTION


Seat information and price

**SpiceMax Seat**
₹ 1299

**Preferred Seat**
₹ 300/400

**Normal Seat**
₹ 0/200/350

**Selected Seat**
₹ 0

**Unavailable Seat**
Occupied/Reserved for airport check-in only

3A 3B 3C 3D 3E 3F

4A 4B 4C 4D 4E 4F

5A 5B 5C 5D 5E 5F

6A 6B 6C 6D 6E 6F

7A 7B 7C 7D 7E 7F

8A 8B 8C 8D 8E 8F

9A 9B 9C 9D 9E 9F

10A 10B 10C 10D 10E 10F

RS VR NK

PS RK KS

8. Then it goes to payment page

The screenshot displays the payment interface of the SpiceJet website. On the left, a vertical sidebar lists payment options: NetBanking, UPI, Wallets, EMI, Credit Shell, SC Points, and Voucher. The main area is divided into two columns. The left column contains card payment details: logos for VISA, MasterCard, RuPay, and American Express; a toggle for 'Available EMI'; fields for Card Number (2343 4344 4524 5345), Card Holder Name (Admin), and Expiry (04/34); a CVV field; a 'Please enter a valid card' error message; and a checkbox for terms and conditions. The right column shows a price summary for a flight from Delhi to Chennai on Sat, 20 Apr 2024 at 05:40. It lists fares for 2 children (₹8,098) and 2 infants (₹3,500), along with CUTE Fee (₹294), RCS Fee (₹600), and a User Development Fee (₹2,796). The total payable amount is ₹40,022. Below this, a 'Convenience Fee' of ₹4,200 is shown, leading to a final 'Payable Amount' of ₹80,682.00. A green 'Proceed to pay' button is at the bottom right.

| Payment Method | Details |
|----------------|---------|
| NetBanking | |
| UPI | |
| Wallets | |
| EMI | |
| Credit Shell | |
| SC Points | |
| Voucher | |

Card Payment Details:

- Logos: VISA, MasterCard, RuPay, American Express
- Available EMI: ☐
- Card Number: 2343 4344 4524 5345
- Card Holder Name: Admin
- Expiry: 04 / 34
- CVV: ...
- Error: Please enter a valid card
- Terms and Conditions: ☒ I have read and understood all the [Terms and Conditions](#). I agree to proceed.

Price Summary:

| Item | Amount |
|---|------------------------|
| 2 Child (SpiceSaver Fare) | ₹ 8,098 |
| Infant (2) | ₹ 3,500 |
| CUTE Fee | ₹ 294 |
| RCS Fee | ₹ 600 |
| User Development Fee - Departure | ₹ 2,796 |
| Delhi → Chennai | ₹ 40,022 |
| Flight SG 105 | Sat, 20 Apr 2024 05:40 |
| Price Summary | |
| Save more Apply Promo | |
| Convenience Fee | ₹ 4,200 |
| Payable Amount | ₹ 80,682.00 |
| (Incl. of taxes) | |
| Proceed to pay | |

CONCLUSION

- 1.Outcome:** Successful demonstration of streamlined automation for ordering laptops on spicejet.
- 2.Tools Used:** Selenium in Eclipse.
- 3.Advantages:** Improved efficiency in the ordering process. Reduction in manual errors during the transaction.
- 4.Resulting in:** By using test automation, the project creates the foundation for future developments in online flight ticket booking experience optimization.