

Problem Statement:

Navigate to <https://spicejet.com>

Select Round trip starting from Chennai to Bangalore dated on Dec 5,2018 and return date on Dec 7,2018. Select two adult passengers and select currency as USD

Click on search and verify whether it is giving proper search results or not.

Source code: RoundTrip.java

```
package com.ibm.seleniumconcepts;

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.firefox.FirefoxDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;

import com.sun.tools.javac.util.Assert;

import java.util.*;
import java.util.concurrent.TimeUnit;

public class RoundTrip {
    // Declaration of main method
    public static void main(String[] args) {

        // Setting path for Firefox driver

        System.setProperty("webdriver.gecko.driver",
            "./drivers/geckodriver.exe");
        WebDriver driver= new FirefoxDriver();

        driver.get("https://spicejet.com");

        // locating radio button Round Trip and clicking on it
        WebElement roundTripElt = driver

            .findElement(By.xpath("//table[@id='ctl00_mainContent_rbbtn1_Trip']/tbody/tr/td
[1]/following::input"));
        System.out.println(roundTripElt.getTagName());
        roundTripElt.click();

        // Locating and clicking on Departure web element
        WebElement inputElt =
            driver.findElement(By.id("ctl00_mainContent_ddl_originStation1_CTXT"));
        inputElt.click();

        // WebElement
```

```

//
fromElt=driver.findElement(By.xpath("//table[@id='citydropdown']/tbody/tr[2]/td[2]/u1
/li[6]/following::a"));

// Selecting the departure city field as Chennai
WebElement fromElt = driver.findElement(By.xpath("//a[@value='MAA']"));
fromElt.click();

// Locating and clicking on To web element
WebElement inputTo =
driver.findElement(By.id("ctl00_mainContent_ddl_destinationStation1_CTXT"));
inputTo.click();

// Selecting the destination city as Bangalore
WebElement toElt = driver.findElement(By.xpath("//a[@value='BLR']"));
toElt.click();

// locating and selecting Deaprture date
WebElement departDate = driver.findElement(By.xpath("//table[@class='ui-
datepicker-calendar']/tbody/tr[2]/td[4]/descendant::a"));
departDate.click();

WebElement calendarButton =
driver.findElement(By.xpath("//input[@id='ctl00_mainContent_view_date2']"));
calendarButton.click();

WebElement returnDate2 = driver
    .findElement(By.xpath("//*[contains(@class,'ui-state-
default') and text()='7']"));
returnDate2.click();

// Locating and clicking Passenger drop down
WebElement ageLevel = driver.findElement(By.xpath("//div[text()='1
Adult']"));
ageLevel.click();

// To click on + button to increase the No.of adults
WebElement plusElt =
driver.findElement(By.xpath("//span[@id='hrefIncAdt']"));
plusElt.click();

// To click on Done button
driver.findElement(By.id("btnclosepaxoption")).click();

// Selecting currency drop down value as USD'
WebElement currencyElt =
driver.findElement(By.xpath("//select[@id='ctl00_mainContent_DropDownListCurrency']")
);
Select selectCurrency = new Select(currencyElt);
selectCurrency.selectByVisibleText("USD");

// To click on Search button
driver.findElement(By.id("ctl00_mainContent_btn_FindFlights")).click();

```

```

        // Displaying selected journey location details
        String tripText = driver.findElement(By.className("trip-details-
sector")).getText();
        System.out.println();
        System.out.println("Round Trip Location details: " + tripText);

        System.out.println();
        // Verifying that the results are displayed as per the search criteria
        String result =
driver.findElement(By.className("flightfare")).getText();

        if (result.contains("USD"))
            System.out.println("Flight Search Results are displayed");
    }
}

```

Output:

The screenshot shows the Eclipse IDE interface with the console window open. The console displays the following output:

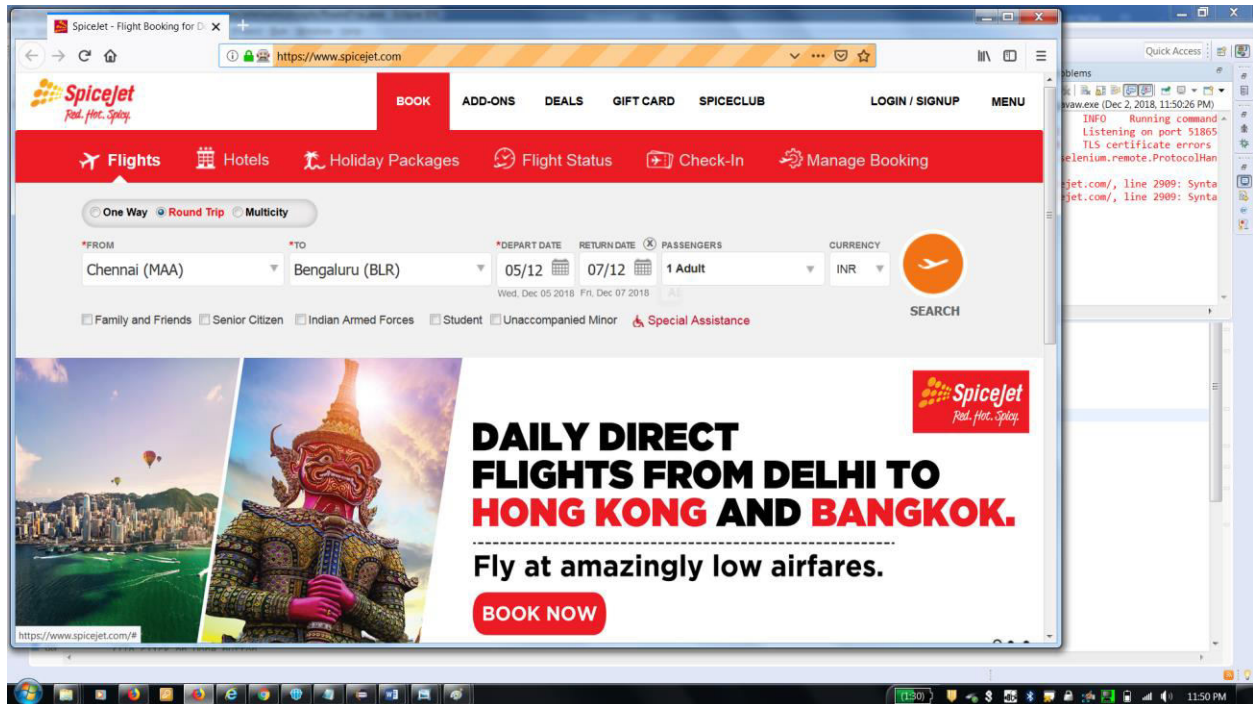
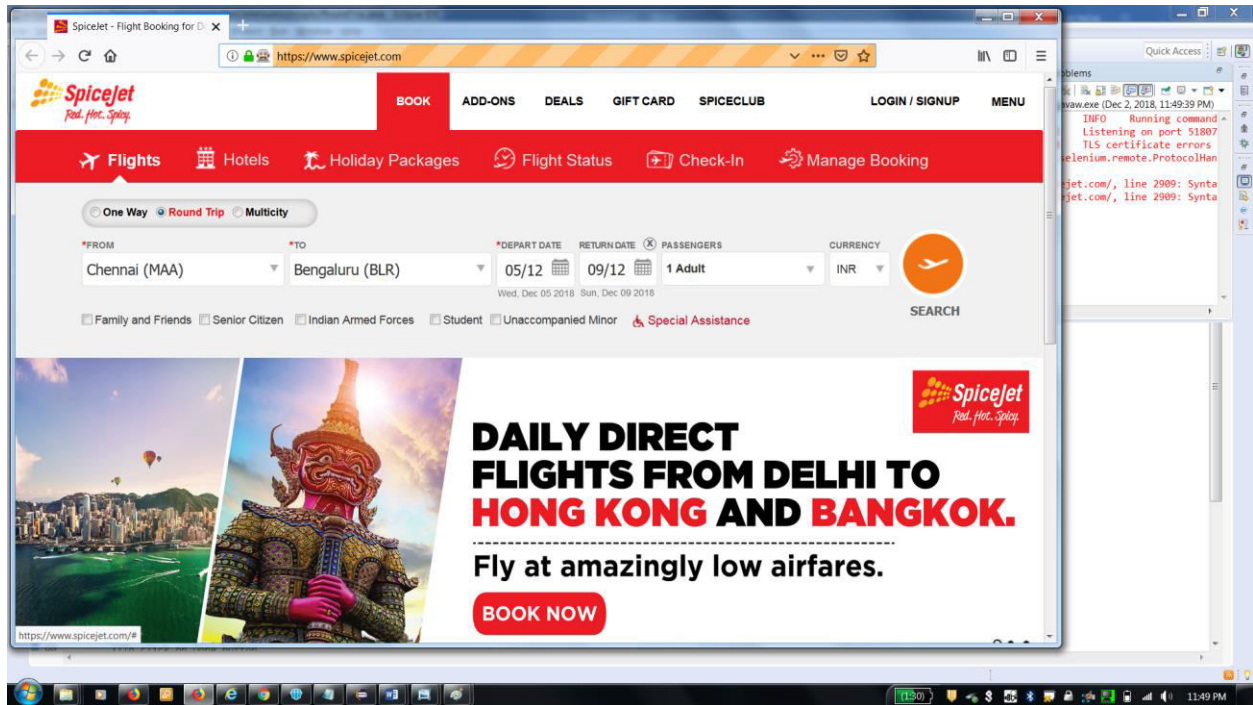
```

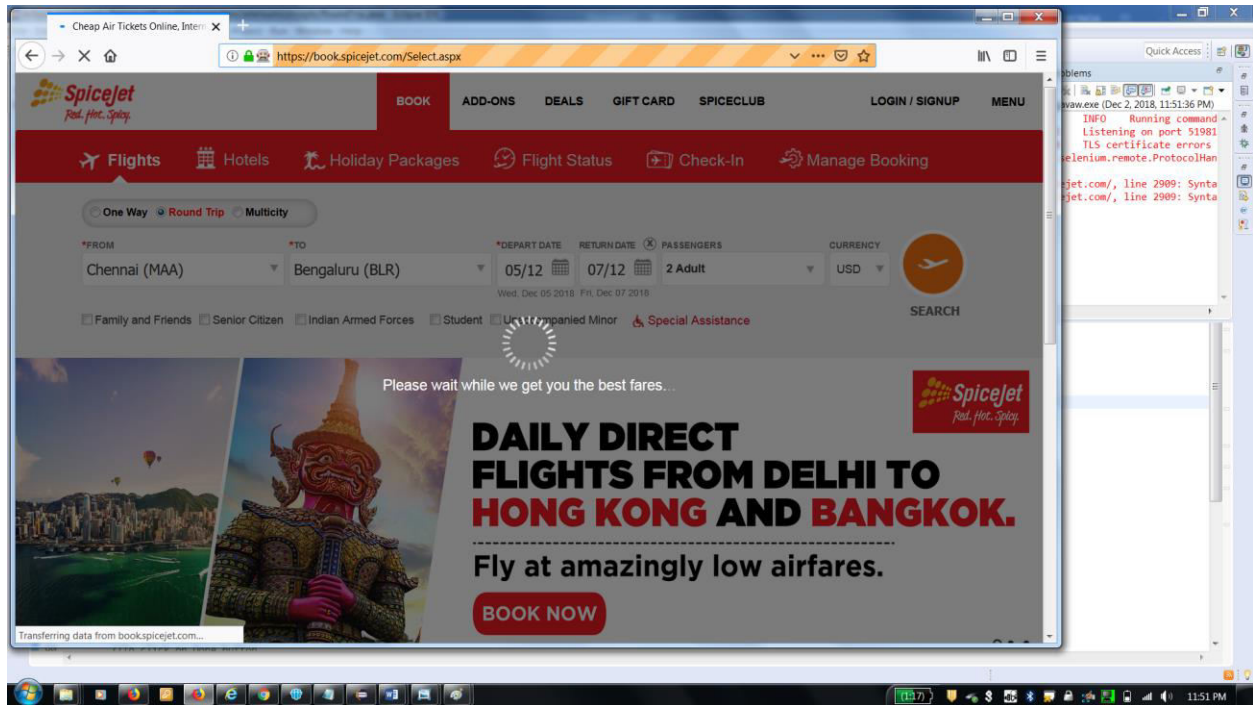
# Console | Declaration | Javadoc | Problems
# <terminated> RoundTrip [Java Application] C:\Java\jdk-10\bin\javaw.exe (Dec 2, 2018, 11:44:05 PM)
# 1543774447496 mozrunner::runner INFO Running command: "C:\Program Files\Mozilla Firefox\Firefox.exe" "-marionette" "-foreground" "-no-remote" "-profile" "C:\Users\IBM_AO-1\AppData\Local
# 1543774449522 Marionette INFO Listening on port 51591
# 1543774449814 Marionette WARN TLS certificate errors will be ignored for this session
# Dec 02, 2018 11:44:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
JavaScript warning: https://www.spicejet.com/, line 2909: SyntaxError: 09 is not a legal ECMA-262 octal constant
JavaScript warning: https://www.spicejet.com/, line 2909: SyntaxError: 09 is not a legal ECMA-262 octal constant
input
JavaScript warning: https://book.spicejet.com/js/SpiceJet/mainV1.103.min.js?version=51120180000006, line 1: unreachable code after return statement
JavaScript warning: https://book.spicejet.com/Select.aspx, line 3207: SyntaxError: 08 is not a legal ECMA-262 octal constant
JavaScript warning: https://book.spicejet.com/Select.aspx, line 3211: SyntaxError: 09 is not a legal ECMA-262 octal constant
JavaScript error: https://storage.googleapis.com/ads-feeder.appspot.com/js/client/SpiceJet-IN/spicejet-min.js, line 10: TypeError: /(d+\\d+\\d+)$/.exec(...) is null
JavaScript warning: https://book.spicejet.com/Select.aspx, line 3207: SyntaxError: 08 is not a legal ECMA-262 octal constant
JavaScript warning: https://book.spicejet.com/Select.aspx, line 3211: SyntaxError: 09 is not a legal ECMA-262 octal constant

Round Trip Location details: Chennai to Bengaluru

Flight Search Results are displayed

```





File Edit View History Bookmarks Tools Help

Cheap Air Tickets Online, Inter... x

https://book.spicejet.com/Select.aspx

SpiceJet
Real. Hot. Spicy.

BOOK ADD-ONS DEALS GIFT CARD SPICECLUB LOGIN / SIGNUP MENU

FLIGHTS TRAVELERS ADD-ONS PAYMENTS

RoundTrip Chennai to Bengaluru

Depart Date 5 Dec, Wed Return Date 7 Dec, Fri Passengers 2 Adult Currency USD

Modify Search

CHOOSE A DEPARTURE FLIGHT

DEPART	ARRIVE	HAND BAGGAGE	SPICESAVER	SPICEMAX
		Cabin Baggage Only	Free Check-in Baggage	Priority Privileges, Free Meals, Extra Leg-room
SG 3301 6:05 AM 0h 50m	6:55 AM	NA	42.60 USD	50.70 USD
SG 1063 7:20 AM 1h 5m	8:25 AM	NA	53.10 USD	61.30 USD
SG 3426 3:00 PM	3:55 PM	NA	56.70 USD	64.80 USD

FARE DETAILS

[US Dollar (USD)]

WED 05 DEC, 2018
Flight SG 3301
MAA - BLR 6:05 AM
85.20

FRI 07 DEC, 2018
Flight SG 1233
BLR - MAA 5:45 PM
76.60

161.80
INCLUSIVE OF TAXES

CONTINUE →

Cheap Air Tickets Online, Inter... x

https://book.spicejet.com/Select.aspx

1h 5m

SG 3426 3:00 PM 0h 55m	3:55 PM	NA	56.70 USD	64.80 USD
SG 3309 5:00 PM 0h 45m	5:45 PM	NA	100.90 USD	108.80 USD
SG 3307 7:30 PM 0h 45m	8:15 PM	NA	177.50 USD	185.70 USD

Prices include taxes and fees

Previous Day Next Day

CHOOSE A RETURN FLIGHT

DEPART	ARRIVE	HAND BAGGAGE	SPICESAVER	SPICEMAX
		Cabin Baggage Only	Free Check-in Baggage	Priority Privileges, Free Meals, Extra Leg-room
SG 1233 5:45 PM	7:00 PM	NA	38.30 USD	46.50 USD

FARE DETAILS

[US Dollar (USD)]

WED 05 DEC, 2018
Flight SG 3301
MAA - BLR 6:05 AM
85.20

FRI 07 DEC, 2018
Flight SG 1233
BLR - MAA 5:45 PM
76.60

161.80
INCLUSIVE OF TAXES

CONTINUE →

CHOOSE A RETURN FLIGHT

DEPART	ARRIVE	HAND BAGGAGE	SPICESAVER	SPICEMAX
		Cabin Baggage Only	Free Check-in Baggage	Priority Privileges, Free Meals, Extra Leg-room
SG 1233 5:45 PM 1h 15m	7:00 PM	NA	38.30 USD	46.50 USD
SG 3302 7:40 AM 1h 5m	8:45 AM	NA	41.70 USD	49.90 USD
SG 3425 1:30 PM 1h 0m	2:30 PM	NA	41.70 USD	49.90 USD
SG 3318 8:50 PM 1h 20m	10:10 PM	NA	90.10 USD	98.30 USD
SG 3310 10:00 PM 1h 5m	11:05 PM	NA	90.10 USD	98.30 USD

FARE DETAILS
[US Dollar (USD)]

WED 05 DEC, 2018
Flight SG 3301
MAA - BLR 6:05 AM
85.20

FRI 07 DEC, 2018
Flight SG 1233
BLR - MAA 5:45 PM
76.60

161.80
INCLUSIVE OF TAXES

CONTINUE →

Prices include taxes and fees

Flow Information:

Initially the relative path is set for Firefox driver using System.setProperty method. The Webdriver object is created to instantiate Firefox Driver. The 'Get' method is used on web driver object to launch the site for 'www.spicejet.com'. Firefox browser is launched with web site and then click operation is performed by clicking radio button 'Round Trip'. Then using the xpath locator the web elements from,to,departure date,return date,passengers,Currency are located and performed click operations on these elements . Web Element object is created to refer to each of the above fields. Then selected required values for the displayed fields. The inputs Departure city as 'Chennai',Arrival City as 'Bengaluru',Departure date as '5th Dec 2018, return date as '7th Dec 2018 ,passengers as '2 adults' and currency as USD. After clicking on Search button , choose departure flight page is displayed with search results for mentioned search criteria. Verified the loaded page by checking the match for the round trip location details and currency 'USD'.

Note: It is discussed with instructor and agreed upon to do the assignment on any of the browsers, as chrome browser is having issues and not consistent.