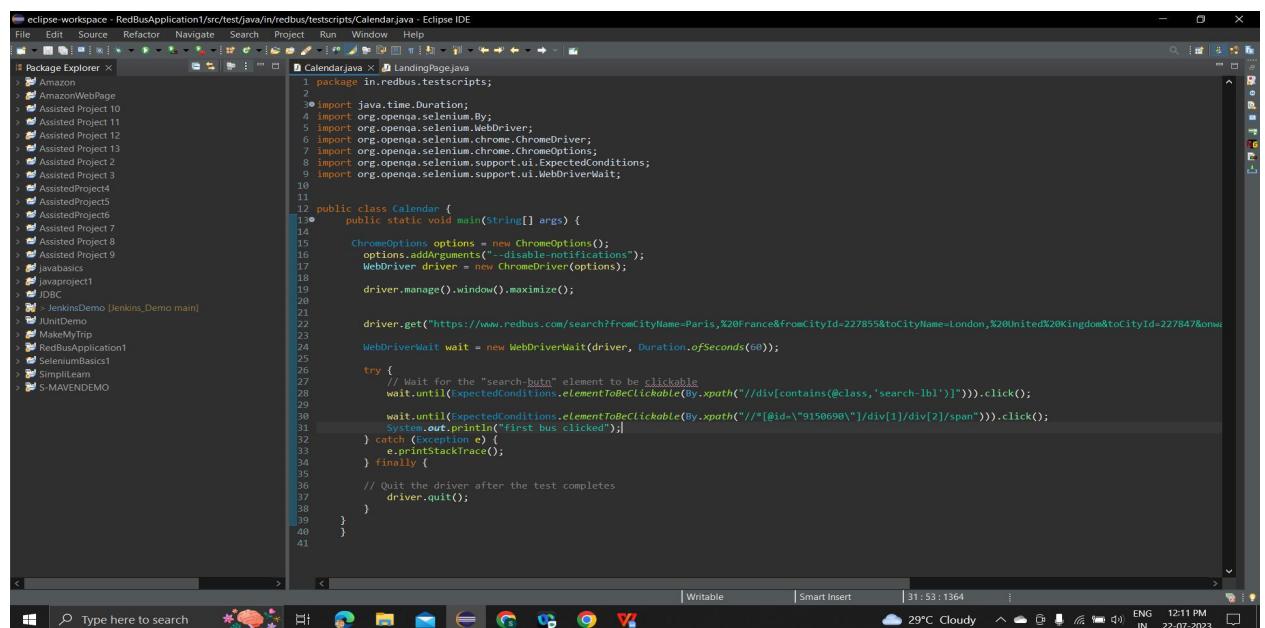
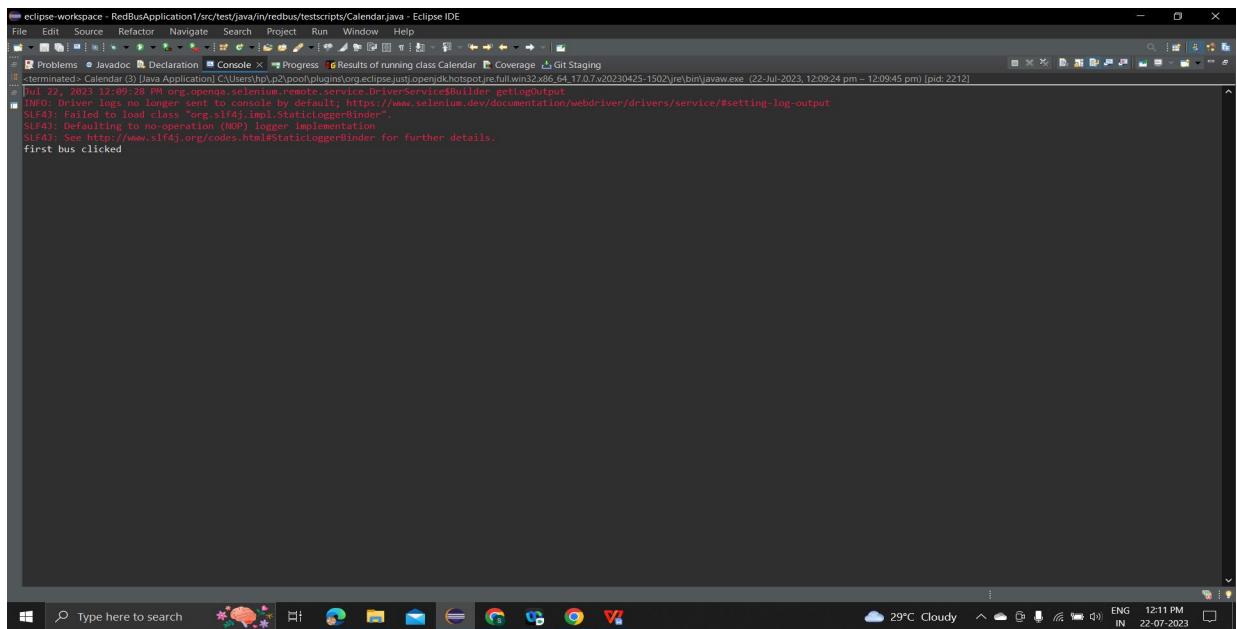


You are asked to create a TestNG framework that helps to test the bus ticket booking application in multiple environments.

```
package in.redbus.testscripts;
import java.time.Duration;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class Calendar {
    public static void main(String[] args) {
        ChromeOptions options = new ChromeOptions();
        options.addArguments("--disable-notifications");
        WebDriver driver = new ChromeDriver(options);
        driver.manage().window().maximize();
        driver.get("https://www.redbus.com/search?fromCityName=Paris,%20France&fromCityId=227855&toCityName=London,%20United%20Kingdom&toCityId=227847&onward=24-Jul-2023&srcCountry=EUR&destCountry=EUR&sfnc=&stcn=&opId=0&busType=Any");
        WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(60));
        try {
            // Wait for the "search-butn" element to be clickable
            wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//div[contains(@class,'search-lbl')]"))).click();
            wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//*[@id=\"9150690\"]//div[1]/div[2]/span"))).click();
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            // Quit the driver after the test completes
            driver.quit();
        }
    }
}
```



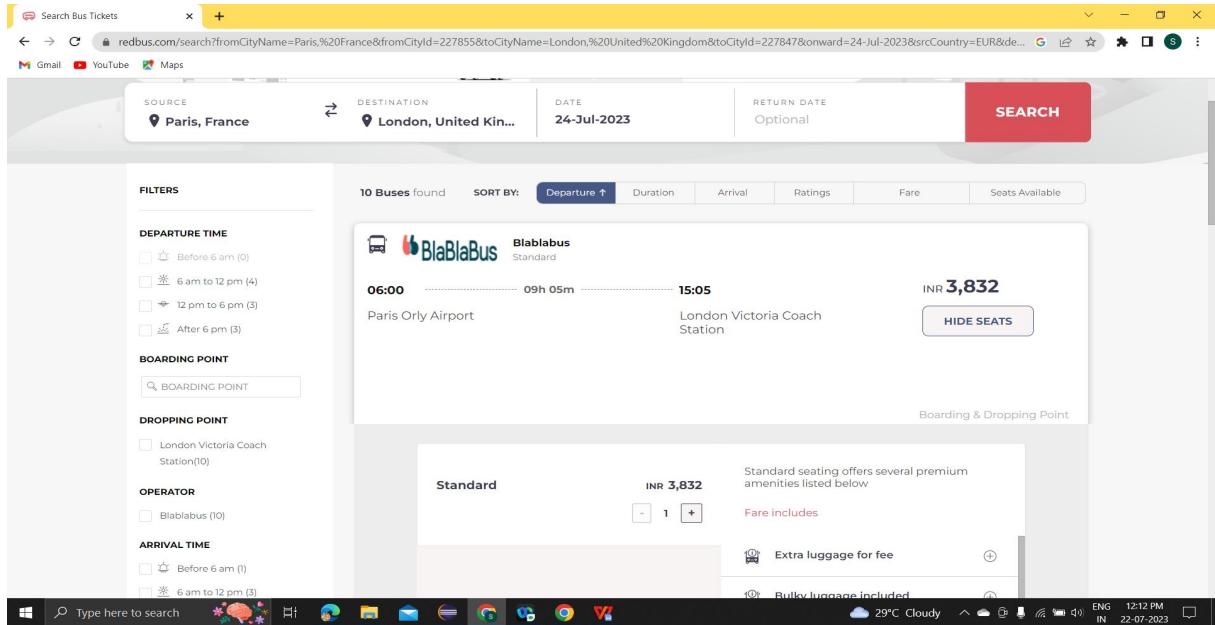


The screenshot shows a web browser displaying the redBus website. The search form is filled with 'Paris, France' as the source and 'London, United Kin...' as the destination, with the date set to '24-Jul-2023'. A tooltip indicates that the currency selected is INR. A 'SEARCH' button is visible. A cookie consent banner at the bottom right states: 'How we use cookies. We use cookies to bring you the best experience on our site by personalizing the content for you. This will also help us analyze site usage and help report any issues. By selecting 'Okay' you agree to the storing of all cookies on your device. Learn more about this in our privacy policy or manage settings.' with an 'Okay' button.

Establishing secure connection...

```
Search Bus Tickets
reddbus.com/search?fromCityName=Paris,%20France&fromCityId=227855&toCityName=London,%20United%20Kingdom&toCityId=227847&onward=24-Jul-2023&srcCountry=EUR&destCountry=IN
Chrome is being controlled by automated test software.

reddbus
Help
Manage Booking
Login
INR
Currency selected is INR.
Click here to change it
SOURCE
Paris, France
DESTINATION
London, United Kin...
DATE
24-Jul-2023
RETURN DATE
Optional
SEARCH
MULTIMEDIA SERVICES
How we use cookies
We use cookies to bring you the best experience on our site by personalizing the content for you. This will also help us analyze site usage and help report any issues. By selecting 'Okay' you agree to the storing of all cookies on your device. Learn more about this in our privacy policy or manage settings.
Okay
ENG 29°C Cloudy 12:11 PM IN 22-07-2023
```



```

package in.redbus.testsheets;
import java.time.Duration;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class LandingPage {
    public static void main(String[] args) throws InterruptedException {
        ChromeOptions options = new ChromeOptions();
        options.addArguments("--disable-notifications");
        WebDriver driver = new ChromeDriver(options);
        driver.get("https://www.redbus.com/");
        driver.manage().window().maximize();
        // Wait for the "Source" input element to be clickable and send keys
        WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(60));
        wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[contains(@id, 'src')]"))).sendKeys("Paris France");
        // Wait for the "Destination" input element to be clickable and send keys
        wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[contains(@id, 'dest')]"))).sendKeys("London United Kingdom");
        // Click on the "onward date" date picker
        driver.findElement(By.xpath("//label[contains(@for, 'date')])[1]")).click();
        // Use JavaScript to click on the date "24" in the calendar
        String jsClickDate = "arguments[0].click();";
        String dateXPath = "//div[@id='rb-calendar_onward_cal']//div[contains(@class, 'rb-calendar-day')]/div[text()='24']";
    }
}

```

```

WebElement dateElement = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//*[@id=\"rdc-root\"]/div/div[1]/div[2]/div[2]/div/div[1]/span/span[6]/div[1]/span")));
((JavascriptExecutor) driver).executeScript(jsClickDate, dateElement);
// Wait for the "Search Buses" button to be present and click on it
wait.until(ExpectedConditions.presenceOfElementLocated(By.cssSelector("#search_btn"))).click();
System.out.println("search button clicked");
Thread.sleep(3000);
driver.quit();
}
}

```

```

eclipse-workspace - RedBusApplication1/src/test/java/in/redbus/testscripts/LandingPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer X
Amazon
AmazonLoginPage
Assisted Project 10
Assisted Project 11
Assisted Project 12
Assisted Project 13
Assisted Project 2
Assisted Project 3
AssistedProject4
AssistedProject5
AssistedProject6
Assisted Project 7
Assisted Project 8
Assisted Project 9
javabasics
jmvproject1
JDSC
JenkinsDemo [Jenkins_Demo main]
JUnitDemo
MakeMyTrip
RedBusApplication
SeleniumBasics1
Simplilearn
S-MAVENDEMO
LandingPage.java X
1 package in.redbus.testscripts;
2 import java.time.Duration;
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.chrome.ChromeOptions;
9 import org.openqa.selenium.support.ui.ExpectedConditions;
10 import org.openqa.selenium.support.ui.WebDriverWait;
11 public class LandingPage {
12     public static void main(String[] args) throws InterruptedException {
13         ChromeOptions options = new ChromeOptions();
14         options.addArguments("--disable-notifications");
15
16         WebDriver driver = new ChromeDriver(options);
17         driver.get("https://www.redbus.com/");
18         driver.manage().window().maximize();
19
20         // Wait for the "Source" input element to be clickable and send keys
21         WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(60));
22         wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[contains(@id, 'src')]"))).sendKeys("Paris France");
23
24         // Wait for the "Destination" input element to be clickable and send keys
25         wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[contains(@id, 'dest')]"))).sendKeys("London United Kingdom");
26
27         // Click on the "Forward" date picker
28         driver.findElement(By.xpath("//label[contains(@for, 'date')]/[1]")).click();
29
30         // Use JavaScript to click on the date "24" in the calendar
31         String jsClickDate = "arguments[0].click();";
32         String datePickerPath = "//div[@id='rb-calendar_forward_cal']//div[contains(@class, 'rb-calendar-day')]/div[text()='24']";
33         WebElement dateElement = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//*[@id=\"rdc-root\"]/div/div[1]/div[2]/div[2]/div/div[1]")));
34         ((JavascriptExecutor) driver).executeScript(jsClickDate, dateElement);
35
36         // Wait for the "Search Buses" button to be present and click on it
37         wait.until(ExpectedConditions.presenceOfElementLocated(By.cssSelector("#search_butn"))).click();
38         System.out.println("search button clicked");
39         Thread.sleep(3000);
40         driver.quit();
41     }
42 }
43

```

Type here to search    29°C Cloudy    ENG IN 22-07-2023

```

eclipse-workspace - RedBusApplication1/src/test/java/in/redbus/testscripts/LandingPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems JavaDoc Declaration Console X Results of running class Calendar Coverage Git Staging
<terminated> LandingPage (2) Java Application C:\Users\hp\p2pool\plugins\org.eclipse.jdt.pool\hotspot\re\full\win2x86_64_17.0.7\v20230425-1502\re\bin\javaw.exe (22-Jul-2023, 12:16:13 pm - 12:16:30 pm) [pid: 15644]
Jul 22, 2023 12:16:14 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
search button clicked

```

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**200,000+** tickets booked everyday

Type here to search 29°C Cloudy ENG IN 12:18 PM