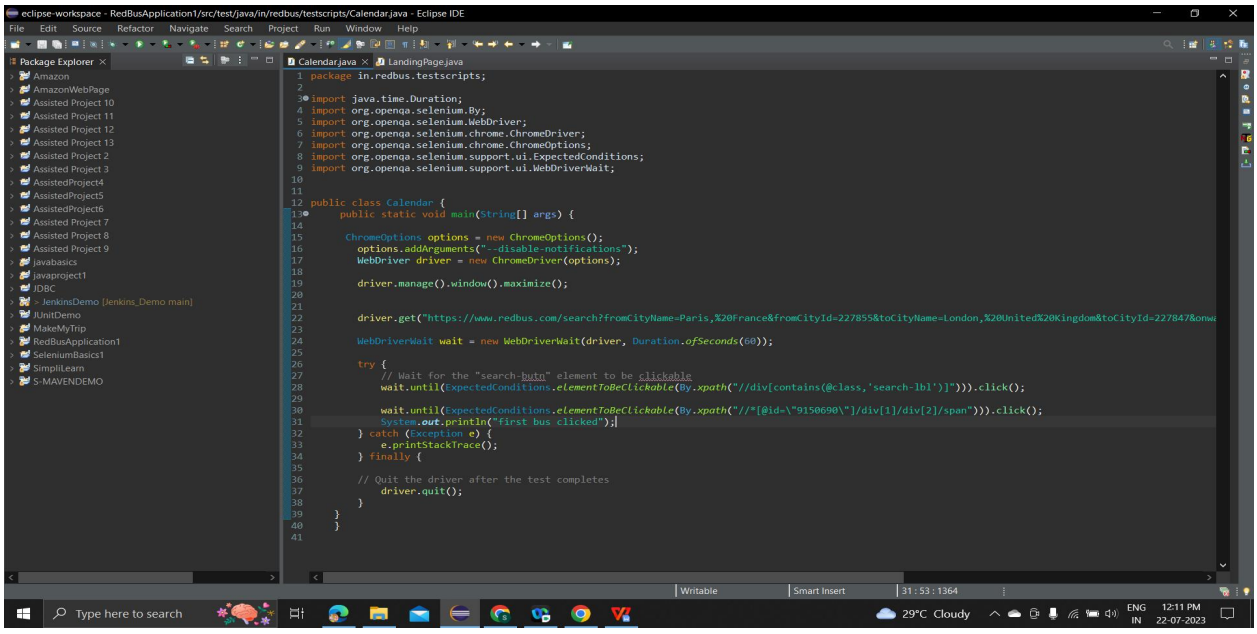
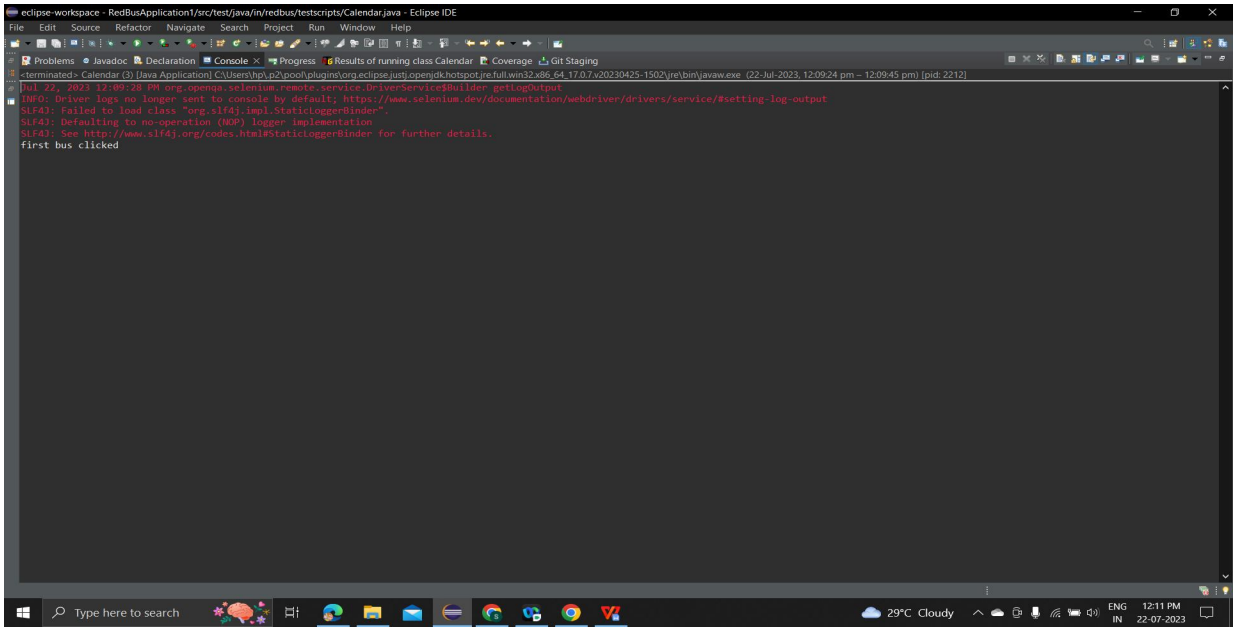
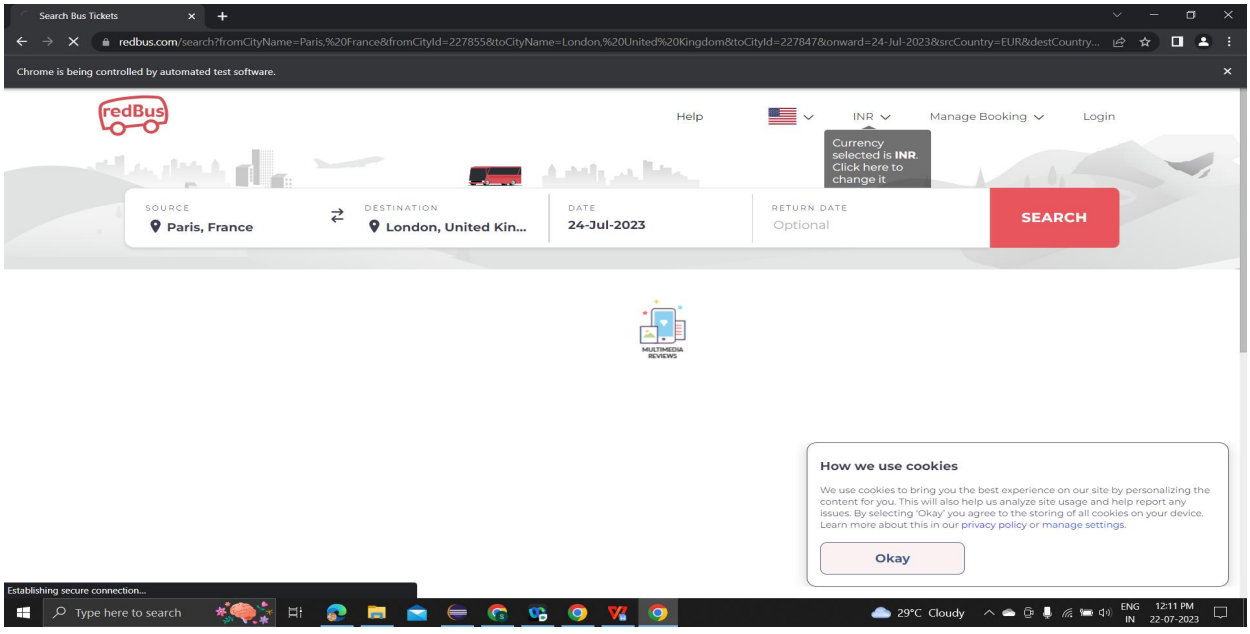
You are asked to create a TestNG framework that helps to test the bus ticket booking application in multiple environments.

```
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&from
CityId=227855&toCityName=London,%20United%20Kingdom&toCityId=227847&onward=
24-Jul-2023&srcCountry=EUR&destCountry=EUR&sfcn=&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=\"9150
690\"]/div[1]/div[2]/span"))).click();
} catch (Exception e) {
e.printStackTrace();
} finally {
// Quit the driver after the test completes
driver.quit();
}
}
}
```




eclipse-workspace - RedBusApplication1/src/test/java/in/redbus/testscripts/Calendar.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console Progress Results of running class Calendar Coverage Git Staging
<terminated> Calendar (3) [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (22-Jul-2023, 12:09:24 pm – 12:09:45 pm) [pid: 2212]
Jul 22, 2023 12:09:28 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.
first bus clicked
Type here to search
29°C Cloudy
ENG IN
12:11 PM
22-07-2023


Search Bus Tickets
redbus.com/search?fromCityName=Paris,%20France&fromCityId=227855&toCityName=London,%20United%20Kingdom&toCityId=227847&onward=24-Jul-2023&srcCountry=EUR&destCountry...
Chrome is being controlled by automated test software.
redBus
Help
INR
Manage Booking
Login
Currency selected is INR. Click here to change it
SOURCE
Paris, France
DESTINATION
London, United Kin...
DATE
24-Jul-2023
RETURN DATE
Optional
SEARCH
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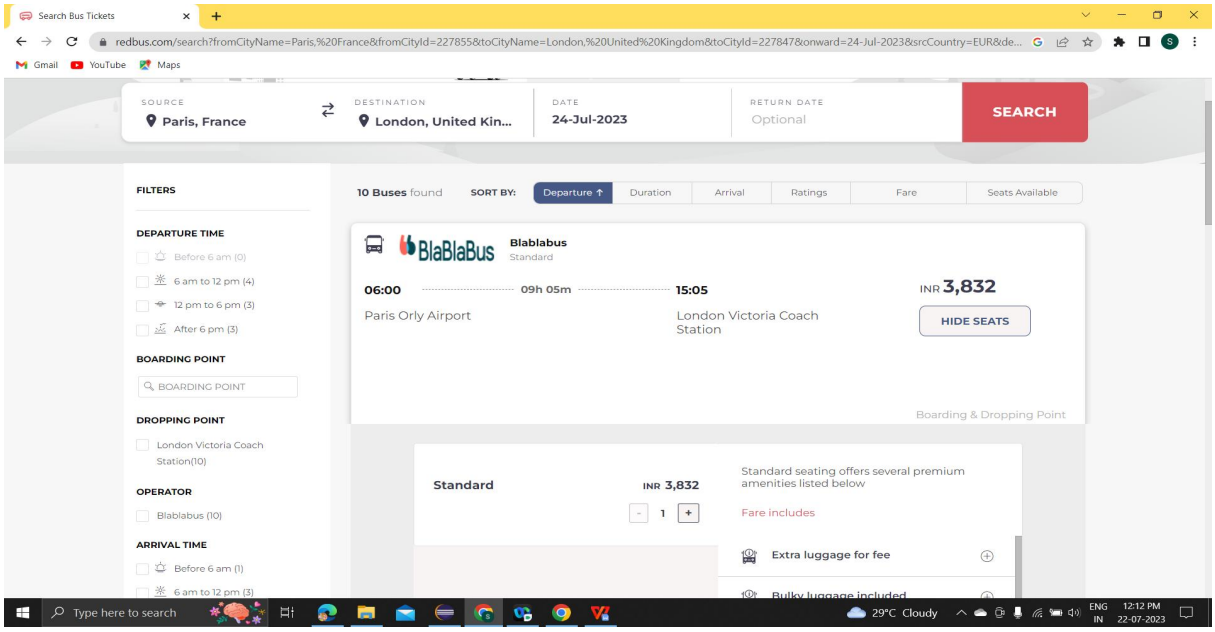
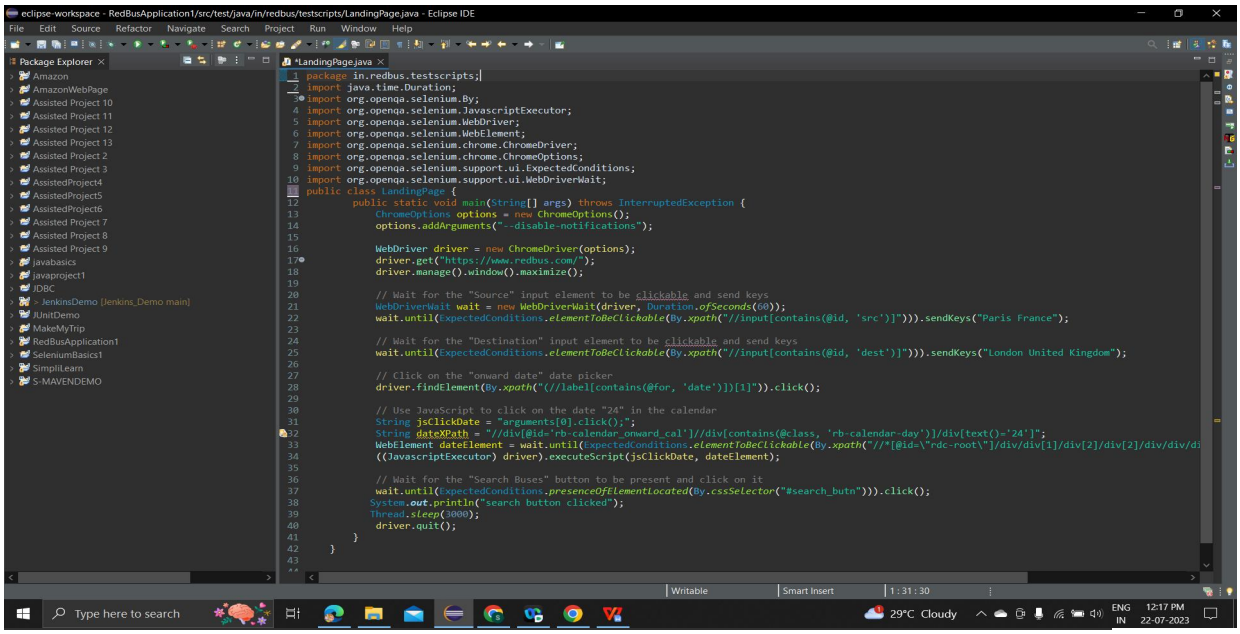
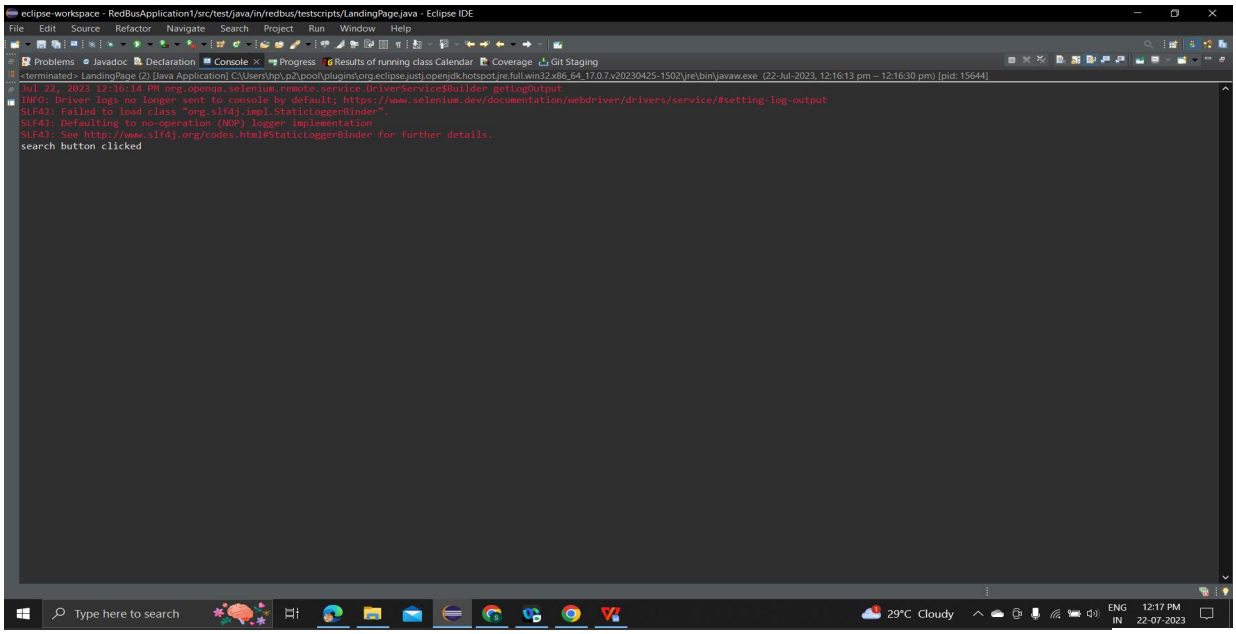
Okay
Establishing secure connection...
Type here to search
29°C Cloudy
ENG IN
12:11 PM
22-07-2023

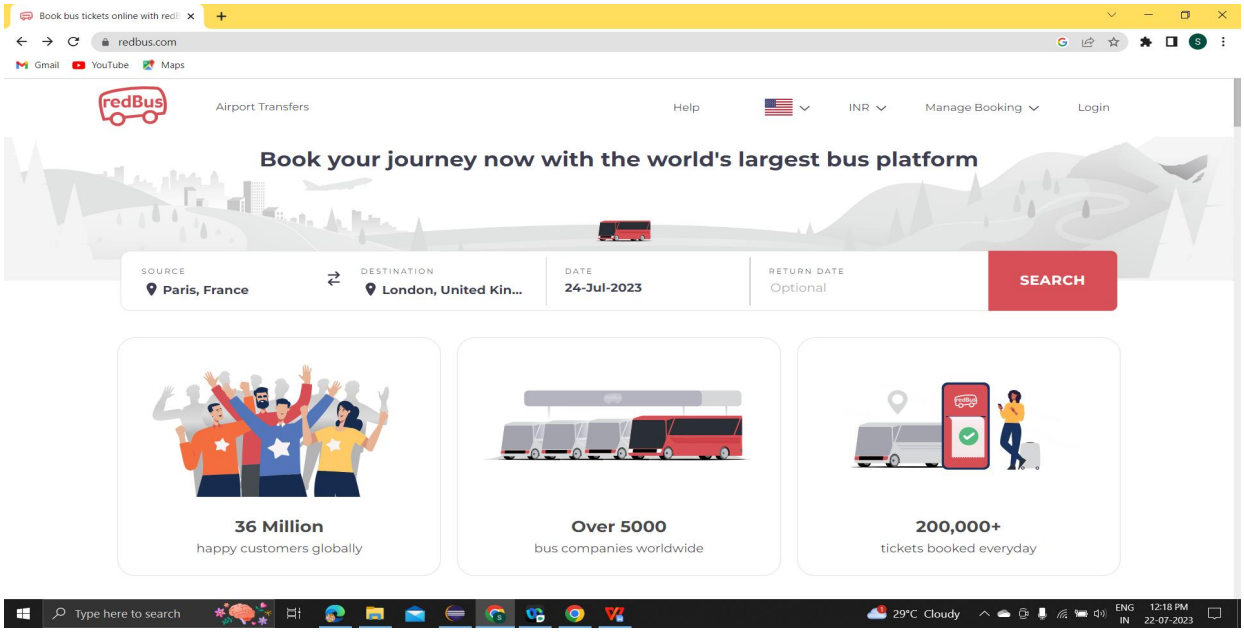



```
package in.redbus.testscripts;
import java.time.Duration;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
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[contai
ns(@id, 'src')]"))).sendKeys("Paris France");
// Wait for the "Destination" input element to be clickable and send keys
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[contai
ns(@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/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("#sea
rch_butn"))).click();
System.out.println("search button clicked");
Thread.sleep(3000);
driver.quit();
}
}
```



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SOURCE
Paris, France
DESTINATION
London, United Kin...
DATE
24-Jul-2023
RETURN DATE
Optional
SEARCH
36 Million
happy customers globally
Over 5000
bus companies worldwide
200,000+
tickets booked everyday
Type here to search
29°C Cloudy
ENG
IN
12:18 PM
22-07-2023