**SBA-5**

**Cucumber + TestNG + Selenium + Java**

**Url:** [**http://demo.guru99.com/test/newtours/register.php**](http://demo.guru99.com/test/newtours/register.php)

**Create a Maven project**

**Code:**

1. **Pom.xml file: Import all required dependencies**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>Cucumber\_TestNG</groupId>

<artifactId>Cucumber\_TestNG</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.0.0</version>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-testng</artifactId>

<version>7.0.0</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-api</artifactId>

<version>3.4.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-ie-driver</artifactId>

<version>3.4.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-chrome-driver</artifactId>

<version>3.4.0</version>

</dependency>

</dependencies>

</project>

1. **Feature file: Keep this inside Features folder**

Feature: This test the MercuryTours website

Scenario: Test the MercuryTours register page

Given the user opens the browser

Given hi

When the user navigates to MercuryTours register page

Then the user enters lands on the page

And Doing a login

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Given the user opens the browser

When the user navigates to MercuryTours register page

Then the user enters lands on the page

And Doing a login

1. **Test runner code: This is a class file, Keep this inside a package 1**

package cucumbertestng;

import io.cucumber.testng.AbstractTestNGCucumberTests;

import io.cucumber.testng.CucumberOptions;

@CucumberOptions(features="src/test/resources/Features",glue= {"cucumbertestng"},

monochrome=true)

public class TestRunner extends AbstractTestNGCucumberTests {

}

1. **Step definitions file: This is a class file, Keep this inside a package 1**

package cucumbertestng;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.And;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.Then;

import io.cucumber.java.en.When;

public class StepDefination {

WebDriver driver = null;

@Given("the user opens the browser")

public void the\_user\_opens\_the\_browser() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\ustjavasdetb420\\Desktop\\chromedriver\_win32\\chromedriver.exe");

driver = new ChromeDriver();

driver.manage().window().maximize();driver.navigate();

// Write code here that turns the phrase above into concrete actions

}

@Given("hi")

public void hi() {

System.out.println("We work together");

}

@When("the user navigates to MercuryTours register page")

public void the\_user\_navigates\_to\_mercury\_tours\_register\_page() {

driver.get("http://demo.guru99.com/test/newtours/register.php");

driver.getTitle().contains("Tours");

// Write code here that turns the phrase above into concrete actions

}

@Then("the user enters lands on the page")

public void the\_user\_enters\_lands\_on\_the\_page() {

// Write code here that turns the phrase above into concrete actions

driver.findElement(By.name("firstName")).sendKeys("abcd@gmail.com");

driver.findElement(By.name("lastName")).sendKeys("abcd123");

driver.findElement(By.name("phone")).sendKeys("1231233123");

driver.findElement(By.name("userName")).sendKeys("abcd123qwerty@gmail.com");

driver.findElement(By.name("address1")).sendKeys("qwertyqwerty hover colony");

driver.findElement(By.name("city")).sendKeys("Persia");

driver.findElement(By.name("state")).sendKeys("City Melbourne");

driver.findElement(By.name("postalCode")).sendKeys("5252525");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[11]/td[2]/select/option[7]")).click();

driver.findElement(By.xpath("//\*[@id=\"email\"]")).sendKeys("rangerrathore@gmail.com");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[14]/td[2]/input")).sendKeys("abcd");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[15]/td[2]/input")).sendKeys("abcd");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[17]/td/input")).click();

}

@And("Doing a login")

public void Doing\_a\_login() {

driver.findElement(By.linkText("Home")).click();

driver.findElement(By.name("userName")).sendKeys("abcd");

driver.findElement(By.name("password")).sendKeys("abcd");

driver.findElement(By.name("submit")).click();

driver.findElement(By.linkText("Flights")).click();

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[2]/td[2]/b/font/input[2]")).click();

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[4]/td[2]/select/option[4]")).click();

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[6]/td[2]/select/option[5]")).click();

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[9]/td[2]/font/font/input[1]")).click();

// click on Blue Skies Airlines

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[10]/td[2]/select/option[2]")).click();

//Then click continue

driver.findElement(By.xpath(" /html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[14]/td/input")).click();

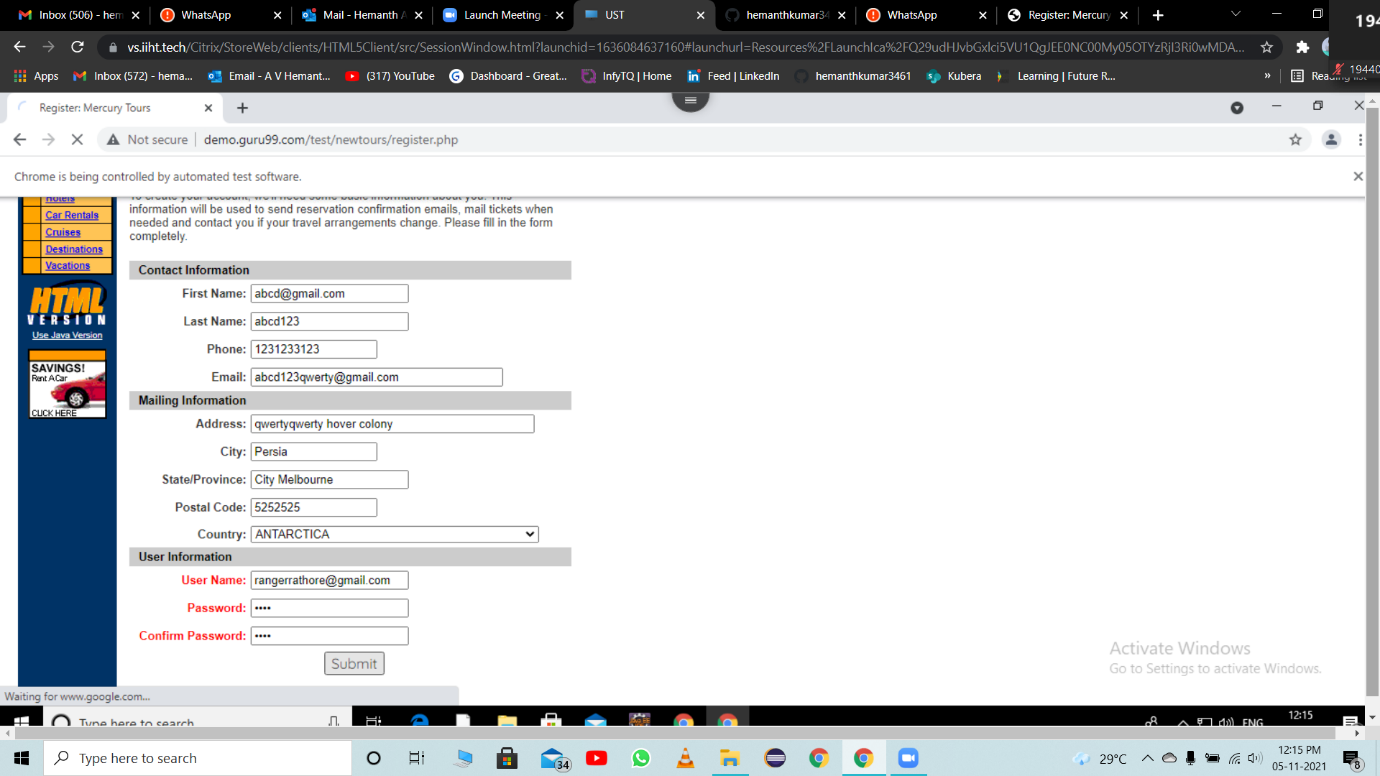
driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr[1]/td[2]/table/tbody/tr[2]/td/a/img")).click();

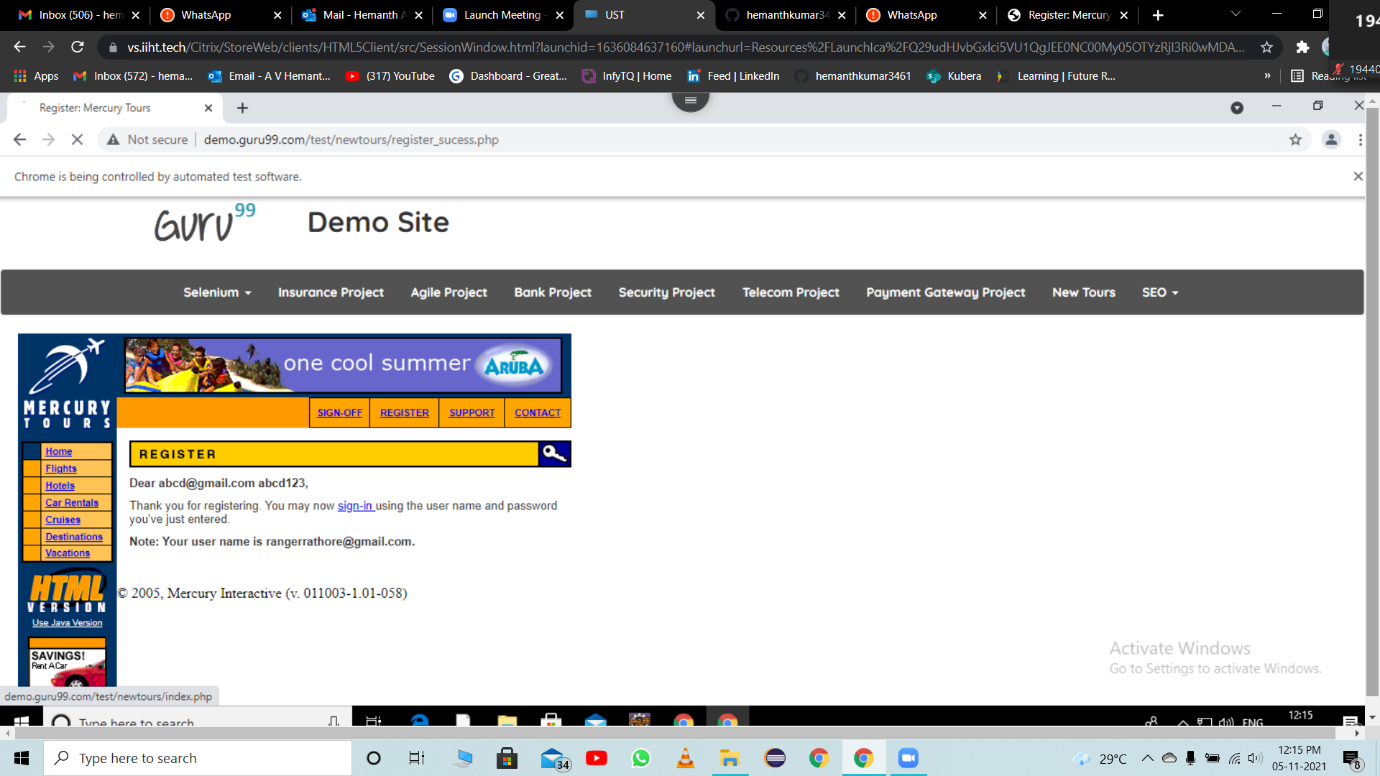
driver.close();

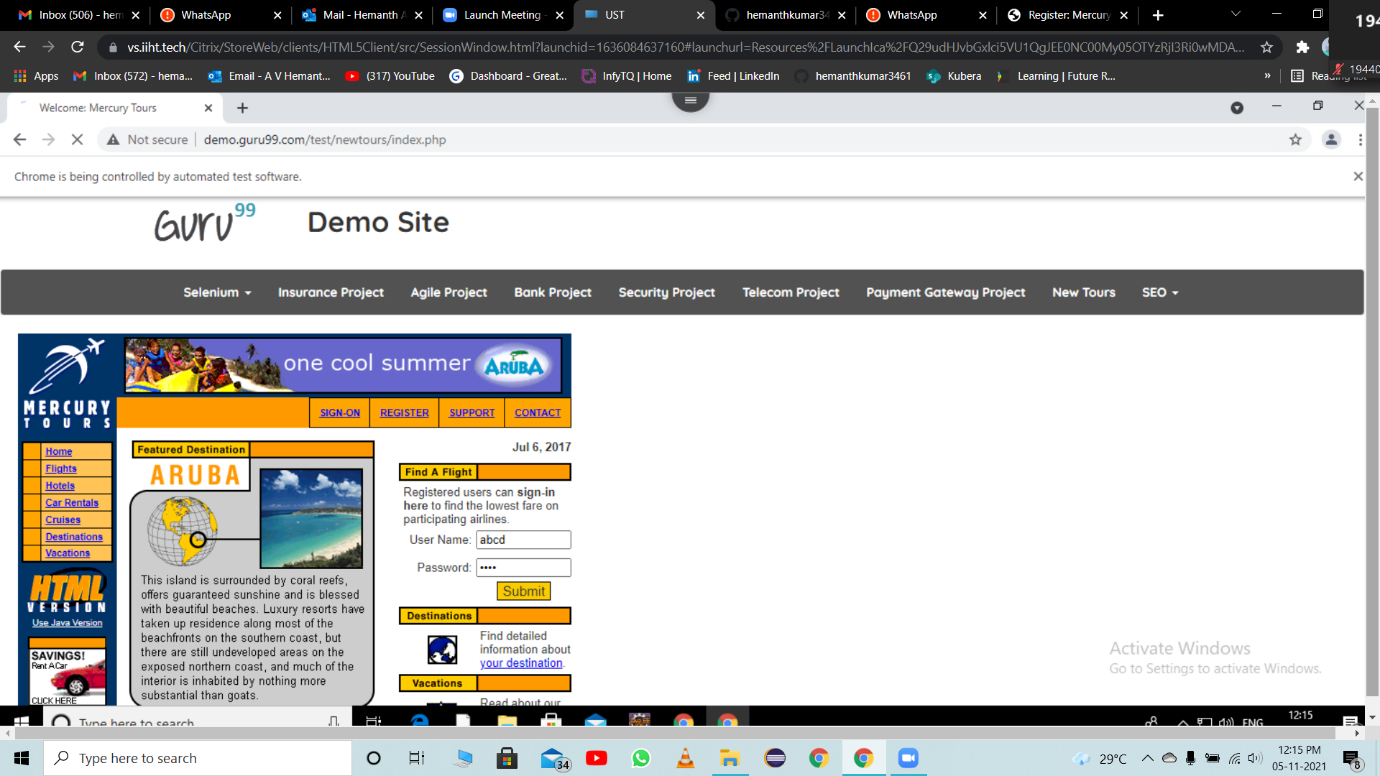
}

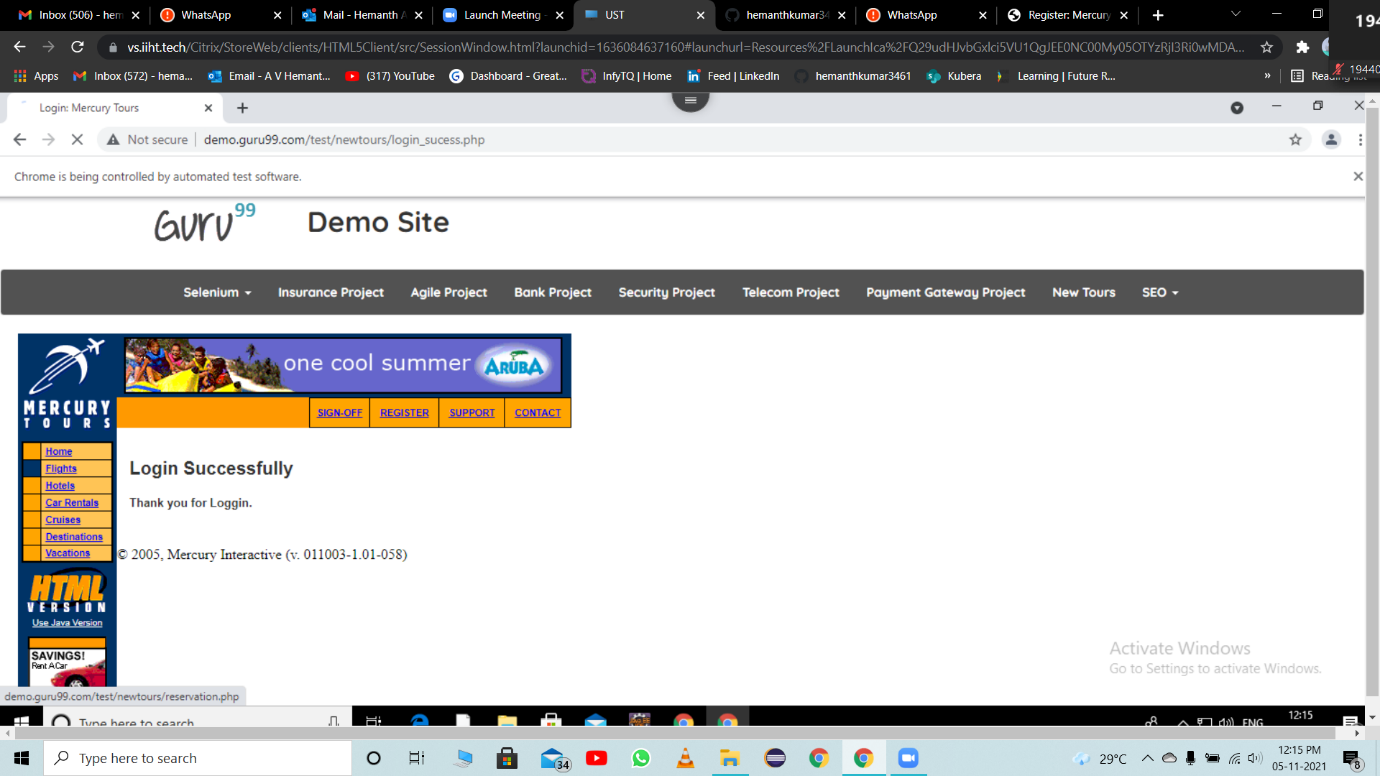
}

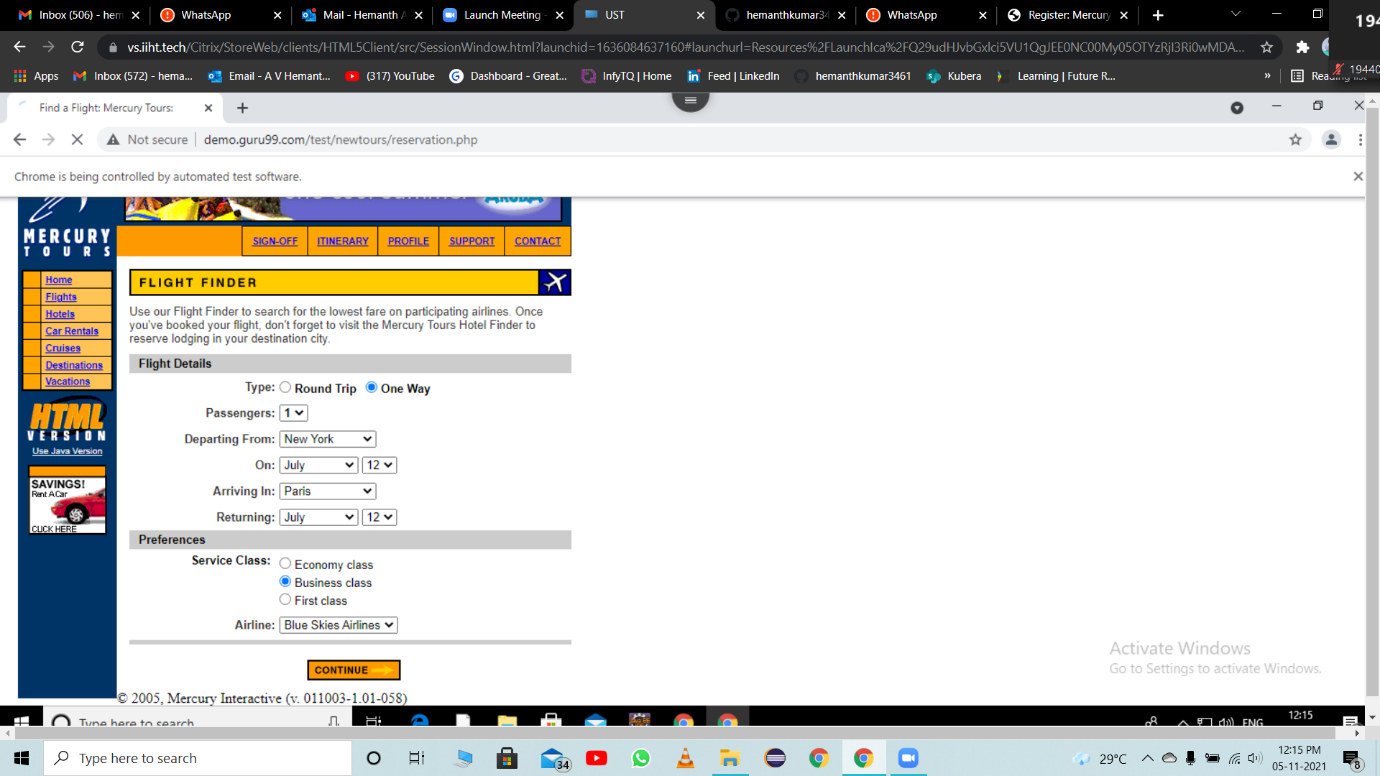
**Output:**

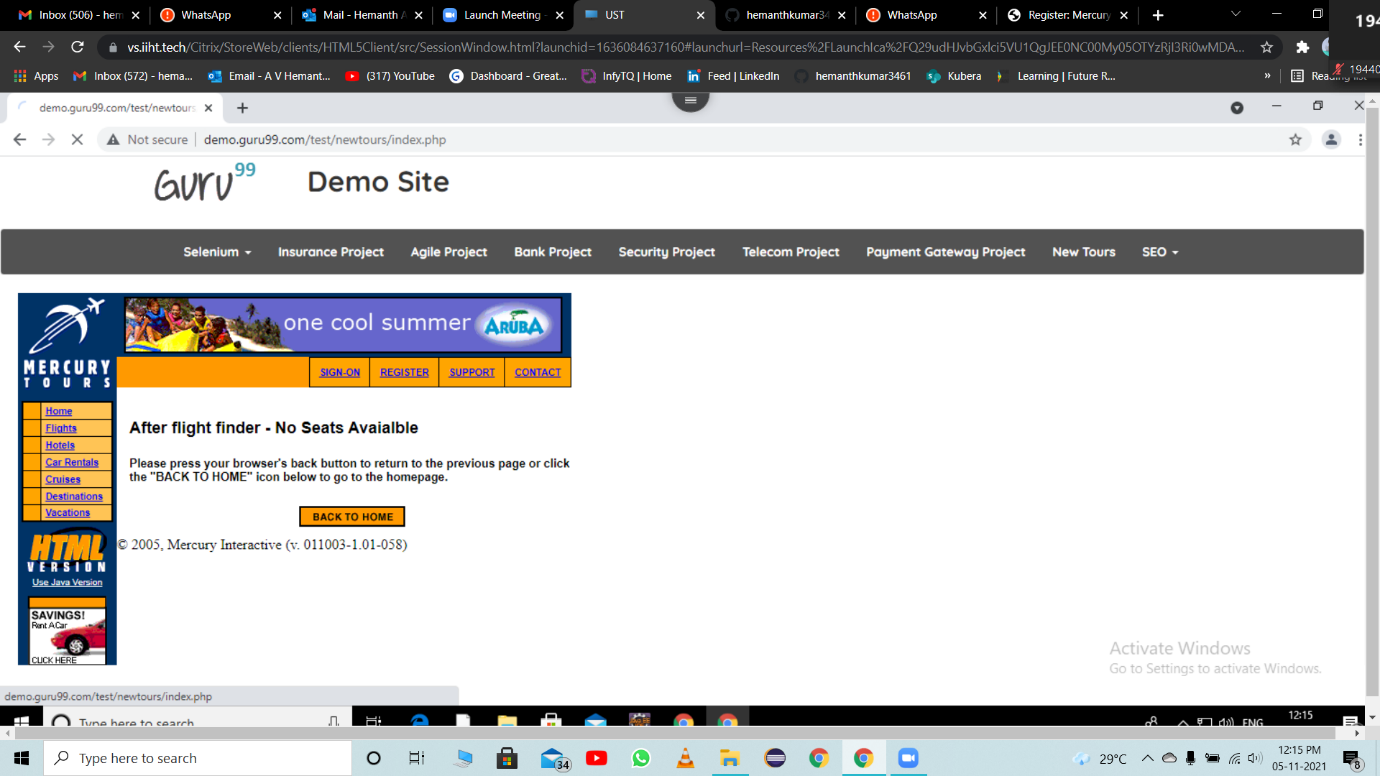
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