SKCET -CA 2 Project

Mandatory part that to be present in the Project Code

```
1.Go to URL: https://www.trivago.in/
```

- 2.Maximize the browser
- 3. Print the current Page title
- 4. Validate Page Title

CODE:

```
WebDriverManager.chromedriver().setup();
    ChromeOptions co=new ChromeOptions();
    co.addArguments("--remote-allow-origins=*");
        WebDriver d=new ChromeDriver(co);
    d.get("https://www.trivago.in/");
    d.manage().window().maximize();
    String actualTitle=d.getTitle();
    System.out.println("Page title is : " + d.getTitle());
    String expectedTitle = "trivago.in - Compare hotel prices worldwide";
    if(actualTitle.equalsIgnoreCase(expectedTitle))
        System.out.println("Title Matched");
    else
        System.out.println("Title didn't match");
    Thread.sleep(4000);
```

Problem Statement 1:

A travel website that allows users to search and book for stay online. Design a test suite to test the functionality using Selenium. Consider different test scenarios such selecting the check in and checkout, place of stay and other preferences using TestNG.Generate TestNG report.

Question 1 (1*25=25)

- 1. Verify that the user can enter the location of stay
- 2. Verify user can select the check in and checkout date
- 3. Select the number of rooms and guests based on your preference
- 4. Verify if user is able to check the pet friendly checkbox under rooms dropdown and click on search
- 5. Select the price range ,property type as hotel and guest rating 8.5
- 6. Apply more filters by selecting breakfast included, wifi, pool

CODE:

```
public class CA2 {
 @Test
 public void f()throws InterruptedException {
               WebDriverManager.chromedriver().setup();
               WebDriver driver;
               ChromeOptions co = new ChromeOptions();
               co.addArguments("--remote-allow-origins=*");
               driver=new ChromeDriver(co);
               driver.manage().window().maximize();
               driver.get("https://www.trivago.in/");
               Thread.sleep(2000);
               String actualTitle="trivago.in - Compare hotel prices worldwide";
               String extractedTitle=driver.getTitle();
               AssertJUnit.assertEquals(actualTitle, extractedTitle);
               System.out.println("Page title is Validated.");
               Thread.sleep(2000);
               WebElement
location=driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[
1]/div/form/div"));
              location.click();
              Thread.sleep(2000);
              WebElement
ben=driver.findElement(By.xpath("//*[@id=\"suggestion-list\"]/ul/li[1]/div/div"));
               ben.click();
              Thread.sleep(2000);
              WebElement
cin=driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/di
v/div/div[2]/div[1]/div[2]/button[2]/time"));
              cin.click();
               Thread.sleep(2000);
```

```
//
                                       WebElement
coutcol=driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[
1]/fieldset/button[2]/span"));
//
                                       coutcol.click();
                                       WebElement
cout = driver. find Element (By.xpath ("//*[@id=\"\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div[2]/div[2]/div[3]/div[2]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div[3]/div
div/div/div/div[2]/div/div[1]/div[2]/button[7]/time"));
                                       cout.click();
                                       Thread.sleep(2000);
                                       WebElement
inc=driver.findElement(By.xpath("//*[@id=\" next\"]/div[1]/div[1]/section/div[2]/div[3]/div[2]/di
v/div/div[1]/div/div[1]/div/button[2]/span/span[1]"));
                                       inc.click();
                                       inc.click();
                                       inc.click();
                                       Thread.sleep(2000);
                                       WebElement pet=driver.findElement(By.id("checkbox-13"));
                                       pet.click();
                                       Thread.sleep(3000);
                                       WebElement
apply=driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]
/div/div/div[2]/div/button[2]"));
                                       apply.click();
                                       Thread.sleep(3000);
                                       if(driver.getTitle().equals("Bengaluru (Pet friendly) Hotels | Find & compare great
deals on trivago")) {
                                                           System.out.println("1.Verified that the user can enter the location of
stay.");
                                                           System.out.println("2.Verified that the user can select the check-in and
check-out date.");
                                                           System.out.println("3.Verified that the user can enter the no of rooms
based on their preference.");
                                       }
                   }
}
```

OUTPUT:

```
eclipse-workspace - selenium1/src/test/java/com/selenium/test1/selenium1/CA2.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
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                                                                                     WebElement applyed.findElement(8y.xpoth("//"[8ide\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div apply.click();
Thread.sleep[3000);
           @ fileupload.java
    e B szc/test/java
          ■ (default package)
                                                                               Thread.sizep(1800);
String Titleed.getTitle();

if(d.getTitle().equals("Bengaluru (Pet friendly) Hotels | Find & compare great deals on trivago")) {

System.out.println("1.Verified that the user can enter the location of stay.");

System.out.println("2.Verified that the user can select the check-in and check-out date.");

System.out.println("3.Verified that the user can enter the no of rooms based on their preference.");

    in (peraut package)
    in (orn.selenium.test) selenium.

           (i) AppTestjava
           · JI CA2 java
           · V. CCZ Ajeva
             ili 010_report1.java
           ⊢ ® D10_report&java
                                                                                           System.out.println("Wrong Title");

    iii D10 report5 Listener java

           · III D10_report5_java

    III D7_TASK1.java

           U DT_TASK2.java
          # IZ DT TASKILjava
          > IE D7_TASK4 java
           DT_TASKS.java
          + JE D9 TASK 2 Tiava
                                                                                                                                                                                                                        - X & LUVER - U -
           □ 209_TASK1 java
                                                                 -terminated - CAZ [NotNG] C/Program Fiel/Savijdk 19/birjjavavem (Apr 24.2023, 12.27.41 PM - 12.29.22 PMS [pid.11412]

NARKING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111

Page title is: trivago.inUr-Compare hotel prices worldwide

Correct Title

Nrong Title

PASSED: com.selenium.testl.seleniuml.CA2.f

    III D9_TASK4.java

          + 10 D9_TASKS_bitr.java
          2 D9_TASKS.java
          > (il excelleva
           2 estrinos
    * # JRE System Library | InvaSE-1.7]
                                                               .....

    M Mayen Dependencies

                                                                        Default test
                                                                  Tests run: 1, Failures: 0, Skips: 0
      = target
   > best-output
      in testing.uml
```

Question 2 (1*20=20)

- 1. Sort the hotels by "Price and Recommendations"
- 2. Print the 1st hotel name along with price
- 3. Sort the hotels by "price"
- 4. Print the name along with price
- 5. Print the number of stays found.
- 6. Print the number of Booking sites searched:

CODE:

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.testng.annotations.Test;
import io.github.bonigarcia.wdm.WebDriverManager;
public class ques1 {
    @Test
    public void f() throws InterruptedException{
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
```

```
WebDriverManager.chromedriver().setup();
   WebDriver driver=new ChromeDriver(co);
   driver.get("https://www.trivago.in/");
   driver.manage().window().maximize();
   String currtitle=driver.getTitle();
   System.out.println(currtitle);
   String exptitle="trivago.in - Compare hotel prices worldwide";
   if(currtitle.equals(exptitle)) {
      System.out.println("Title Matched");
   }
   else {
      System.out.println("Title not Matched");
   }
   Thread.sleep(3000);
   driver.findElement(By.xpath("//*[@id=\"input-auto-complete\"]")).click();
   Thread.sleep(3000);
   driver.findElement(By.xpath("//*[@id=\"suggestion-list\"]/ul/li[1]/div/div")).click();
   Thread.sleep(3000):
driver.findElement(By.xpath("//*[@id=\" next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div
/div/div[2]/div/div[1]/div[2]/button[24]/time")).click();
   Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\" next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div
/div/div[2]/div/div[1]/div[2]/button[26]/time")).click();
   Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\" next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div
/div[1]/div/div[1]/div[1]/div/button[2]")).click();
   Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div
/div[1]/div/div[1]/div[3]/div/button[2]")).click();
   Thread.sleep(3000);
iv[1]/div/div[2]/div[2]/input")).click();
   Thread.sleep(3000):
driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div
/div[2]/div/button[2]")).click();
```