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

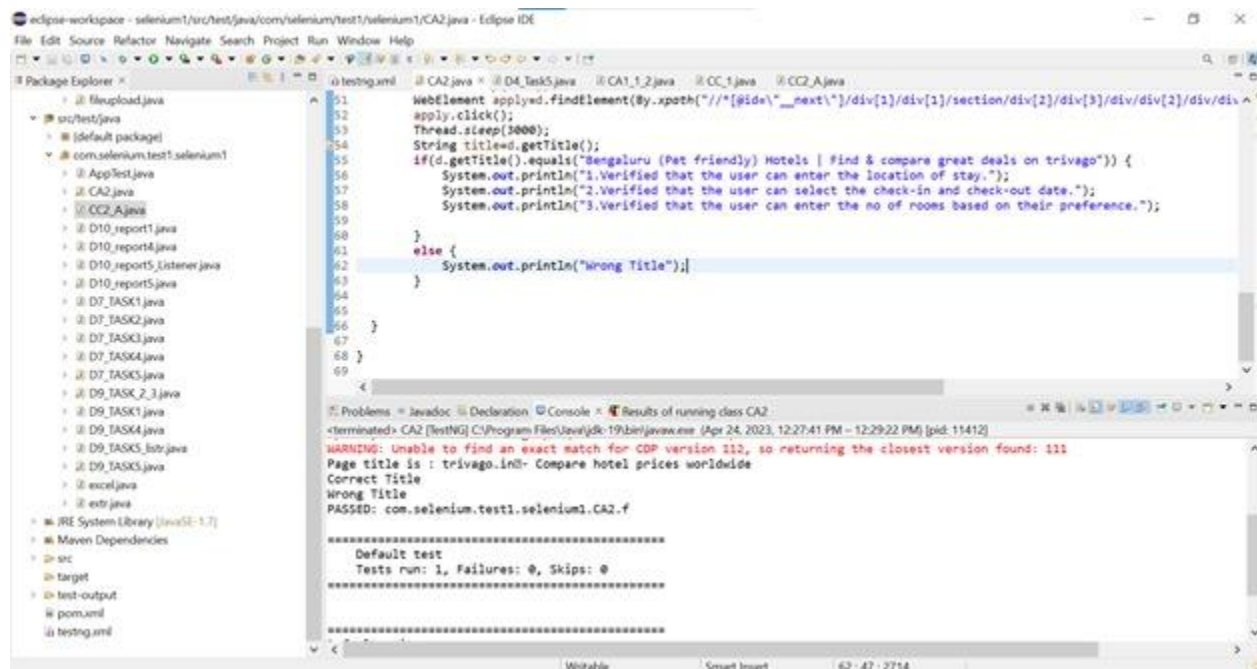**CODE:**

```
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/div[2]/div/div[1]/div[2]/button[2]/time"));
                cin.click();
                Thread.sleep(2000);
```

```java
//              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.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[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/div[2]/div/div/div[1]/div/div[1]/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:

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:

```java
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);

driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/d
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();

 }
}
```