

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]/div/div/div[2]/div/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.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.");
}
}
}

```

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left lists the project structure, including a test class `CC2_A.java`. The main editor displays the code for `CC2_A.java`, which is a Selenium test class. The code includes imports for `WebDriver`, `WebElement`, `By`, `WebDriverWait`, `Thread`, and `Assert`. The `test` method performs the following steps:

- Opens a browser at `http://www.w3schools.com`.
- Clicks on the "Pet friendly" link.
- Verifies that the user can enter the location of stay.
- Verifies that the user can select the check-in and check-out date.
- Verifies that the user can enter the number of rooms based on their preference.
- Verifies that the page title is "trivago.in" and compares hotel prices worldwide.
- Verifies that the correct title is displayed.
- Verifies that the wrong title is not displayed.

The bottom of the IDE shows the "Problems" view, which displays a warning message: "Unable to find an exact match for CDP version 112, so returning the closest version found: 111". The "Console" view shows the output of the test run, indicating that the test passed.