**CC2-24/04/2023**

**727721EUIT014**

**QUESTION-1**

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/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.");

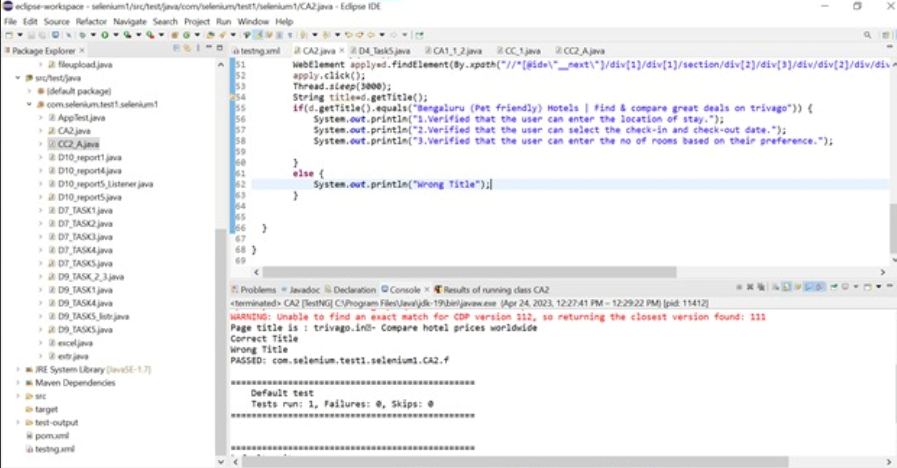
System.out.println("2.Verified that the user can select the check-in and check-out date.");

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

}

}

}



**QUESTION-2**

package com.selenium.cia2;

import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

import static org.junit.Assert.assertTrue;

import org.junit.AfterClass;

import org.junit.BeforeClass;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

public class TC\_002 {

WebDriver driver;

@BeforeClass

public void setup() {

WebDriverManager.chromedriver().setup();

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

driver=new ChromeDriver(co);

driver.get("https://www.trivago.in/");

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

}

@AfterClass

public void teardown() {

driver.quit();

}

@Test

public void testSortingByPriceAndRecommendations() {

WebElement sortDropdown = driver.findElement(By.cssSelector(".df\_overlay\_container [data-qa='sort-dropdown']"));

sortDropdown.click();

WebElement priceAndRecOption = driver.findElement(By.cssSelector("[data-qa='sort-option'][data-option-id='2']"));

priceAndRecOption.click();

WebElement hotelList = driver.findElement(By.cssSelector("[data-qa='itemlist-section']"));

WebElement firstHotel = hotelList.findElement(By.cssSelector("[data-qa='item'][data-index='0']"));

WebElement hotelName = firstHotel.findElement(By.cssSelector("[data-qa='item-name']"));

WebElement hotelPrice = firstHotel.findElement(By.cssSelector("[data-qa='recommended-price']"));

System.out.println(hotelName.getText() + " - " + hotelPrice.getText());

assertTrue(hotelPrice.isDisplayed());

}

@Test

public void testSortingByPrice() {

WebElement sortDropdown = driver.findElement(By.cssSelector(".df\_overlay\_container [data-qa='sort-dropdown']"));

sortDropdown.click();

WebElement priceOption = driver.findElement(By.cssSelector("[data-qa='sort-option'][data-option-id='1']"));

priceOption.click();

WebElement hotelList = driver.findElement(By.cssSelector("[data-qa='itemlist-section']"));

WebElement firstHotel = hotelList.findElement(By.cssSelector("[data-qa='item'][data-index='0']"));

WebElement hotelName = firstHotel.findElement(By.cssSelector("[data-qa='item-name']"));

WebElement hotelPrice = firstHotel.findElement(By.cssSelector("[data-qa='recommended-price']"));

System.out.println(hotelName.getText() + " - " + hotelPrice.getText());

assertTrue(hotelPrice.isDisplayed());

}

@Test

public void testNumberOfStaysFound() {

WebElement hotelList = driver.findElement(By.cssSelector("[data-qa='itemlist-section']"));

int numberOfStays = hotelList.findElements(By.cssSelector("[data-qa='item']")).size();

System.out.println("Number of stays found: " + numberOfStays);

assertTrue(numberOfStays > 0);

}

@Test

public void testNumberOfBookingSitesSearched() {

WebElement bookingSitesDropdown = driver.findElement(By.cssSelector(".df\_overlay\_container [data-qa='booking-sites-dropdown']"));

bookingSitesDropdown.click();

int numberOfSites = driver.findElements(By.cssSelector(".df\_overlay\_container [data-qa='booking-site-item']")).size();

System.out.println("Number of booking sites searched: " + numberOfSites);

assertTrue(numberOfSites > 0);

    }

}