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**SOFTWARE TESTING CA2**

**CODE:**

package porm.test.demo;

import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

import org.testng.annotations.BeforeClass;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.testng.annotations.AfterClass;

public class CA2Q1 {

WebDriver driver;

@Test

public void f() {

String currentTitle=driver.getTitle();

String expectedTitle="trivago.in - Compare hotel prices worldwide";

System.out.println(currentTitle);

if(currentTitle.equals(expectedTitle)) {

System.out.println("Title Matched");

}

else {

System.out.println("Title not Matched");

}

}

@Test

public void Q1() throws InterruptedException {

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"input-auto-complete\"]")).click();

Thread.sleep(3000);

WebElement txtBox1=driver.findElement(By.xpath("//\*[@id=\"input-auto-complete\"]"));

txtBox1.sendKeys("Munnar");

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"input-auto-complete\"]")).sendKeys(Keys.ENTER);

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[3]/div[2]/div/div[3]/div/div/form/fieldset/div/div[1]/button")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[3]/div[2]/div/div[3]/div/div/form/div[4]/div/div/div[2]/div/div[2]/div[2]/ul/li[1]/label")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[3]/div[2]/div/div[3]/div/div/form/div[4]/div/div/div[2]/div/div[2]/div[2]/ul/li[3]/label")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[2]/div/div[1]/button[3]/span")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"checkbox-22\"]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"overlay-root\"]/div/section/footer/div/div/div/button[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[2]/div/button")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[2]/div[2]/div/div/div/div[2]/div/ul/li[2]/div/label")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[2]/div[2]/div/div/div/div[3]/div/button/span/span[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[2]/div[2]/div/div/div/div[3]/div/button/span/span[1]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[2]/div[2]/div/div/div/div[5]/div/button")).click();

}

@Test

public void Q2() throws InterruptedException {

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]/option[3]")).click();

Thread.sleep(3000);

String txt1=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[1]/section/h2/button/span")).getText();

System.out.println(txt1);

Thread.sleep(3000);

String txt2=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[1]/div/p")).getText();

System.out.println(txt2);

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]/option[6]")).click();

Thread.sleep(3000);

String txt3=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[1]/section/h2/button/span")).getText();

System.out.println(txt3);

Thread.sleep(3000);

String txt4=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[1]/div/p")).getText();

System.out.println(txt4);

String txt5=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[2]/div[1]/div[2]/div[2]/div/div/div[1]/span[2]/strong")).getText();

System.out.println("Stay Found : " + txt5);

Thread.sleep(3000);

String txt6=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[1]/div/p")).getText();

System.out.println("Booking site Searched : "+txt6);

}

@Test

public void Q3() throws InterruptedException {

String txt1=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[3]/div/div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt1);

String txt2=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[4]/div/div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt2);

String txt3=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[5]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt3);

String txt4=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[6]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt4);

String txt5=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[7]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt5);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]/option[3]")).click();

String currentprice=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[1]/div/p")).getText();

String expectedprice="trivago.in - Compare hotel prices worldwide";

System.out.println(currentprice);

if(currentprice.equals(expectedprice)) {

System.out.println("price Matched");

}

else {

System.out.println("price not Matched");

}

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[2]/button/span/span[1]")).click();

driver.findElement(By.xpath("//\*[@id=\"contentContainer\"]/div[3]/ol/li[1]/div[2]/a/div/div[2]/div")).click();

driver.findElement(By.xpath("//\*[@id=\"hotelNavBar\"]/div/ul/li[2]/button/span")).click();

driver.findElement(By.xpath("//\*[@id=\"ChildRoom-Ch8I2vnABhACIA4ojuUhMARAAUoJN0QxTl8xMDBQUJgFEgIIARoGEAIoBDAB\"]/div/div[4]/div[2]/div/div[1]/button/div")).click();

WebElement txtBoxl=driver.findElement(By.xpath("//\*[@id=\"Fullname\"]"));

txtBoxl.sendKeys("Shanmugam");

}

@BeforeClass

public void beforeClass() {

ChromeOptions co = new ChromeOptions();

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

WebDriverManager.chromedriver().setup();

driver = new ChromeDriver(co);

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

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

}

@AfterClass

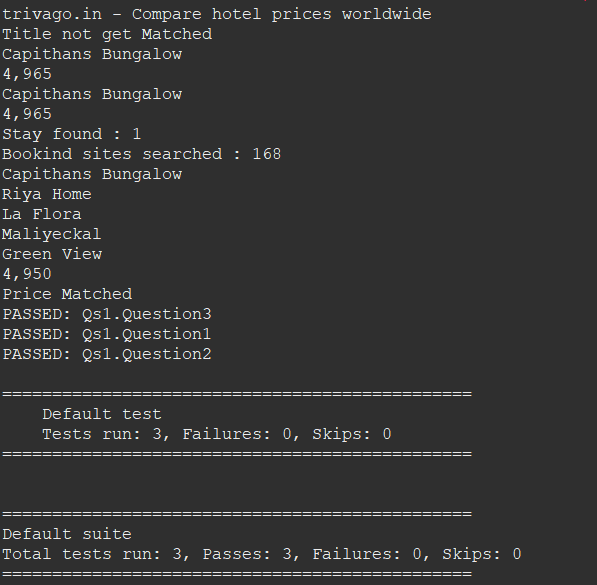
public void afterClass() {

driver.close();

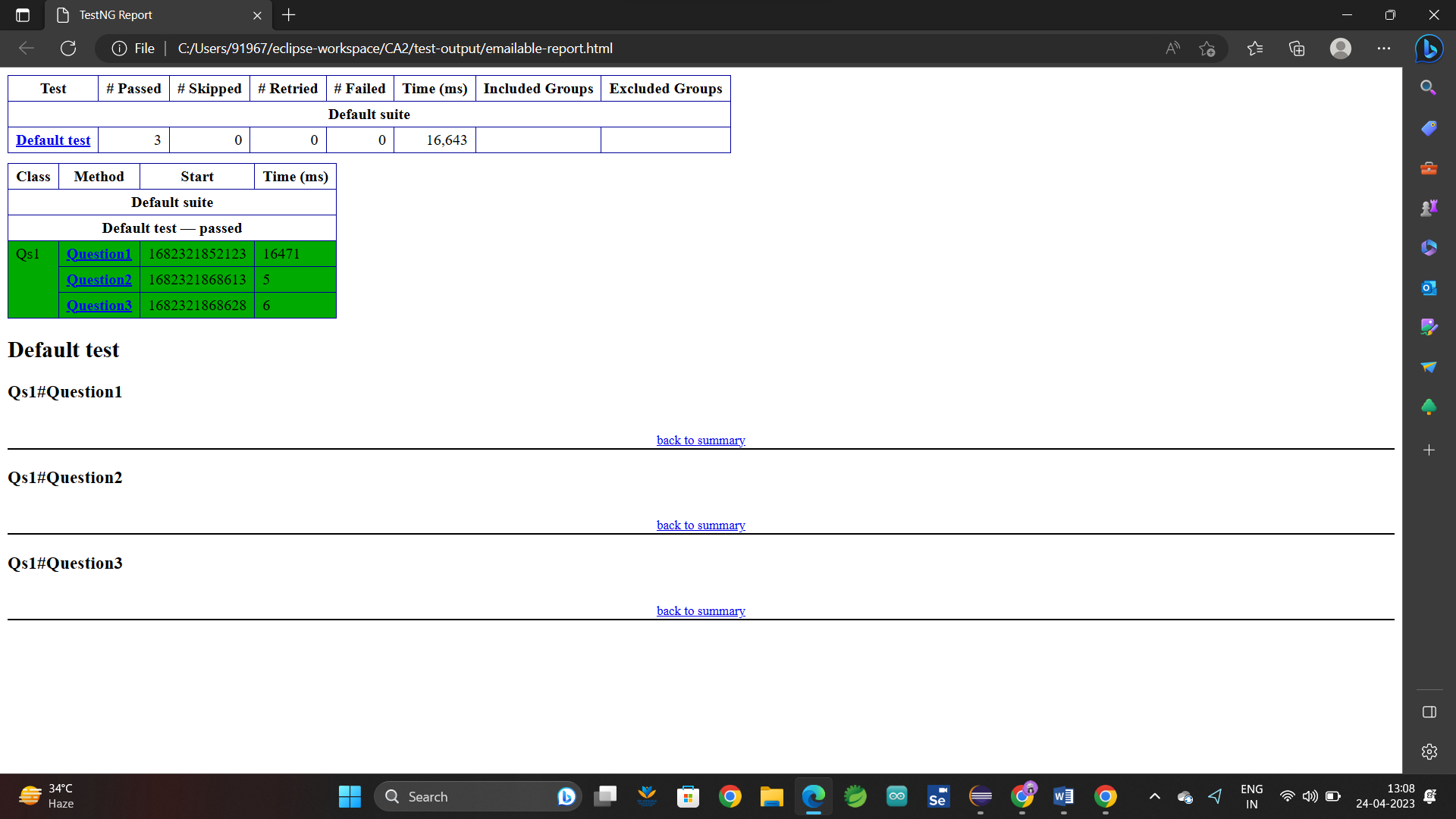
}

}

**CONSOLE OUTPUT:**



**EMAIL REPORT:**



**OUTPUT:**

