727721euit169

Tarun m b

CA2

1.

**package** com.test.ca2;

**import** org.testng.annotations.Test;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**import** org.testng.annotations.BeforeMethod;

**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.Assert;

**import** org.testng.annotations.AfterMethod;

**public** **class** CA\_2 {

WebDriver driver;

@BeforeMethod

**public** **void** setUp() **throws** InterruptedException {

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();

Thread.*sleep*(1000);

}

@Test(priority = 1)

**public** **void** testLocationEntry() {

WebElement locationInput = driver.findElement(By.*id*("querytext"));

locationInput.sendKeys("New Delhi");

Assert.*assertEquals*(locationInput.getAttribute("value"), "New Delhi");

}

@Test(priority = 2)

**public** **void** testCheckInCheckOutSelection() {

WebElement checkInDate = driver.findElement(By.*cssSelector*("button[aria-label='Check-in date input field']"));

checkInDate.click();

WebElement checkInDateInput = driver.findElement(By.*cssSelector*("div[data-testid='datepicker-day-2022-05-02']"));

checkInDateInput.click();

WebElement checkOutDate = driver.findElement(By.*cssSelector*("button[aria-label='Check-out date input field']"));

checkOutDate.click();

WebElement checkOutDateInput = driver.findElement(By.*cssSelector*("div[data-testid='datepicker-day-2022-05-03']"));

checkOutDateInput.click();

Assert.*assertEquals*(checkInDate.getText(), "2");

Assert.*assertEquals*(checkOutDate.getText(), "3");

}

@Test(priority = 3)

**public** **void** testRoomsAndGuestsSelection() {

WebElement roomsInput = driver.findElement(By.*id*("select-num-rooms-2"));

roomsInput.click();

WebElement roomOption = driver.findElement(By.*cssSelector*("button[data-value='1']"));

roomOption.click();

WebElement guestsInput = driver.findElement(By.*id*("select-num-guests-1"));

guestsInput.click();

WebElement guestOption = driver.findElement(By.*cssSelector*("button[data-value='2']"));

guestOption.click();

Assert.*assertEquals*(roomsInput.getText(), "1 Room");

Assert.*assertEquals*(guestsInput.getText(), "2 Guests");

}

@Test(priority = 4)

**public** **void** testPetFriendlyCheckbox() {

WebElement roomsDropdown = driver.findElement(By.*cssSelector*("button[data-testid='filter-popover-trigger-1']"));

roomsDropdown.click();

WebElement petFriendlyCheckbox = driver.findElement(By.*cssSelector*("input[data-testid='pet-friendly-switch']"));

petFriendlyCheckbox.click();

WebElement searchButton = driver.findElement(By.*cssSelector*("button[data-testid='search-button']"));

searchButton.click();

}

@Test(priority = 5)

**public** **void** testAdvancedSearch() {

WebElement priceMinInput = driver.findElement(By.*cssSelector*("[name='mf-price-min']"));

priceMinInput.sendKeys(Keys.***CONTROL*** + "a", Keys.***DELETE***, "2000");

WebElement priceMaxInput = driver.findElement(By.*cssSelector*("[name='mf-price-max']"));

priceMaxInput.sendKeys(Keys.***CONTROL*** + "a", Keys.***DELETE***, "5000");

WebElement propertyTypeDropdown = driver.findElement(By.*cssSelector*("[for='accommodation-type']"));

propertyTypeDropdown.click();

WebElement hotelOption = driver.findElement(By.*cssSelector*("[data-value='HOTEL']"));

hotelOption.click();

WebElement guestRatingInput = driver.findElement(By.*cssSelector*("[name='mf-guestRating']"));

guestRatingInput.click();

WebElement rating = driver.findElement(By.*cssSelector*(""));

rating.click();

}

@Test(priority = 6)

**public** **void** testMoreFilters() {

WebElement wifi = driver.findElement(By.*cssSelector*(""));

wifi.click();

WebElement freeBreakFast = driver.findElement(By.*cssSelector*(""));

freeBreakFast.click();

}

@AfterMethod

**public** **void** afterMethod() {

}

}

2.

**package** com.test.ca2;

**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** ca202 {

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);

}

}

3.

**package** com.test.ca2;

**import** java.util.List;

**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;

**import** org.testng.annotations.Test;

**import** io.github.bonigarcia.wdm.WebDriverManager;

@Test

**public** **class** ca201 {

WebDriver driver;

**public** **void** TC\_003() {

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();

List<WebElement> hotelNames = driver.findElements(By.*xpath*("//span[@data-qa='item-name']"));

**for** (**int** i = 0; i < 5; i++) {

System.***out***.println(hotelNames.get(i).getText());

}

WebElement viewDeal = driver.findElement(By.*xpath*("//span[@data-qa='recommended-price']"));

viewDeal.click();

String parentWindow = driver.getWindowHandle();

**for** (String childWindow : driver.getWindowHandles()) {

driver.switchTo().window(childWindow);

}

WebElement selectedHotelPrice = driver.findElement(By.*xpath*("//strong[@class='deal-price\_\_amount']"));

System.***out***.println("Selected hotel price: " + selectedHotelPrice.getText());

WebElement selectRoom = driver.findElement(By.*xpath*("//button[contains(@class,'js-book-button')]"));

selectRoom.click();

WebElement firstName = driver.findElement(By.*xpath*("//input[@name='firstname']"));

firstName.sendKeys("Tarun");

WebElement lastName = driver.findElement(By.*xpath*("//input[@name='lastname']"));

lastName.sendKeys("M B");

WebElement email = driver.findElement(By.*xpath*("//input[@name='email']"));

email.sendKeys("tarunbaskar@gmail.com");

WebElement confirmEmail = driver.findElement(By.*xpath*("//input[@name='email\_confirm']"));

confirmEmail.sendKeys("tarunbaskar@gmail.com");

WebElement cancellationPolicy = driver.findElement(By.*xpath*("//h4[text()='Cancellation policy']/following-sibling::div/p"));

String cancellationPolicyText = cancellationPolicy.getText();

System.***out***.println("Check-in and Checkout dates: " + cancellationPolicyText);

driver.switchTo().window(parentWindow);

driver.close();

}

}

Output:

