FlipkartTest.java

package com;

import org.testng.annotations.Test;

import org.testng.annotations.BeforeMethod;

import java.util.NoSuchElementException;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.pagefactory.ElementLocator;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

import org.testng.annotations.AfterMethod;

public class FlipkartTest {

WebDriver wd;

@BeforeMethod

public void beforeMethod() {

System.setProperty("webdriver.chrome.driver","C:\\Users\\abc\\Downloads\\chromedriver\_win32\\chromedriver.exe");

wd = new ChromeDriver();

}

@Test

public void flipkartPageLoad() {

long start = System.currentTimeMillis();

wd.get("https://www.flipkart.com/");

long finish = System.currentTimeMillis();

long totalTime = finish - start;

System.out.println("Total Time for page load - "+totalTime);

}

@Test

public void searchiPhone() {

wd.get("https://www.flipkart.com/");

wd.findElement(By.className("\_2doB4z")).click();

wd.findElement(By.linkText("Mobiles & Tablets")).click();

wd.findElement(By.className("\_3704LK")).sendKeys("iPhone 13");

wd.findElement(By.className("L0Z3Pu")).click();

//load image

WebElement image = wd.findElement(By.className("\_3exPp9"));

Boolean p =(Boolean) ((JavascriptExecutor)wd) .executeScript("return arguments[0].complete " + "&& typeof arguments[0].naturalWidth != \"undefined\" " + "&& arguments[0].naturalWidth > 0",image);

if(p) {

System.out.println("Image present");

}else {

System.out.println("Image not present");

}

//Scrolling page and frequency

JavascriptExecutor js = (JavascriptExecutor)wd;

js.executeScript("window.scrollTo(0,1000)");

}

// Verify that the image is downloaded just before the user scrolls to its

// position and gets displayed in time

@Test

public void imageLoad() throws InterruptedException {

wd.get("https://www.flipkart.com/");

wd.findElement(By.className("\_2doB4z")).click();

WebDriverWait wait = new WebDriverWait(wd, 10);

JavascriptExecutor js = (JavascriptExecutor) wd;

int elementCount = wd.findElements(elementlocator).size();

while (true) {

js.executeScript("window.scrollTo(0, document.body.scrollHeight)");

wait.ignoreAll(NoSuchElementException.class)

.until(ExpectedConditions.invisibilityOfElementLocated(elementLocator));

Thread.sleep(2000);

if (wd.findElements(elementLocator).size() == elementCount)

break;

elementCount = wd.findElements(elementLocator).size();

}

}

@AfterMethod

public void afterMethod() {

wd.close();

}

}

Pom.xml

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>MyProject</groupId>

<artifactId>AutomateFlipkart</artifactId>

<version>0.0.1-SNAPSHOT</version>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

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<version>7.5</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.2.1</version>

</dependency>

</dependencies>

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