AUTOMATE AN E-COMMERCE WEB APPLICATION

package com.ecommerce;

import java.util.NoSuchElementException;

import java.util.concurrent.TimeUnit;

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.ui.FluentWait;

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

import com.google.common.base.Function;

public class Flipkart {

      static WebDriver driver = new ChromeDriver();

      static String baseUrl = "https://www.flipkart.com";

      public static void main(String[] args) throws InterruptedException {

```java
		FlipkartAutomation();


	}


	public static void FlipkartAutomation() throws InterruptedException {


		driver.get(baseUrl);

		Thread.sleep(3000);

		WebElement srch = driver.findElement(By.name("q"));

		srch.sendKeys("iphone 13");

		System.out.println("Text entered successfully");

		Thread.sleep(3000);


		String srchbtnxpt = "#container > div > div.q8WwEU > div > div >
div > div > div.css-1dbjc4n.r-13awgt0 > div > div.css-1dbjc4n.r-13awgt0.r-
1iqfa7g.r-60vfwk > div > div._2nl6Ch > div._2NhoPJ > header > div._3ZqtNW >
div._3NorZ0._3jeYYh > form > div > button";

		WebElement srchbtn =
driver.findElement(By.cssSelector(srchbtnxpt));

		srchbtn.click();

		System.out.println("iphone 13 searched successfully ");

		Thread.sleep(3000);


		JavascriptExecutor js = (JavascriptExecutor)driver;

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

		System.out.println("scroll down done successfully");
```

```java
        WebElement i =
driver.findElement(By.xpath("//*[@id=\"container\"]/div/div[3]/div[1]/div[2]/d
iv[2]/div/div/div/a/div[1]/div[1]/div/div/img"));

                        // Javascript executor to check image

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



                        /* verify if status is true

                         if (p) {

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

                        } else {

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

                        } */

                        Thread.sleep(3000);

                        driver.navigate().refresh();



                        Wait<WebDriver> wait = new
FluentWait<WebDriver>(driver).withTimeout(30, TimeUnit.SECONDS)

                                        .pollingEvery(5, TimeUnit.SECONDS)


.ignoring(NoSuchElementException.class);

                                        WebElement clickseleniumlink =
wait.until(new Function<WebDriver,

                                WebElement>(){
```

```java
                                    public WebElement apply(WebDriver
driver ) {

                                    return
driver.findElement(By.cssSelector("#container > div > div._1kfTjk > div._1rH5Jn
> div._2Xfa2_ > div._3_C9Hx > div > a:nth-child(1) > img"));


                                    WebElement element=


        driver.findElement(By.cssSelector("#container > div > div._1kfTjk >
div._1rH5Jn > div._2Xfa2_ > div.go_DOp._2errNR > div > div > div > a"));
                                    String getTextOnPage=
element.getText();

                                     /*if(getTextOnPage.equals("Login")) {

                                     System.out.println(getTextOnPage);

                                     System.out.println("Passed");

                                     return element;

                                     }

                                     else {

                                     System.out.println("Fluent Wait Fail!,
Element Not Loaded Yet");

                                     return null;

                                     } */



                                     }
                                    });
                                    }*/
```

```
        }

}
```

```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>helo-selenium</groupId>
  <artifactId>helo-selenium</artifactId>
  <version>0.0.1-SNAPSHOT</version>

    <dependencies>

        <!--

    https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

        <dependency>
            <groupId>org.seleniumhq.selenium</groupId>
            <artifactId>selenium-java</artifactId>
            <version>4.17.0</version>
        </dependency>

        <dependency>
```

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

            <artifactId>selenium-chrome-driver</artifactId>

            <version>4.17.0</version>

        </dependency>


        <dependency>

            <groupId>ecommerce</groupId>

            <artifactId>com.simpli</artifactId>

            <version>0.0.1-SNAPSHOT</version>

        </dependency>

    </dependencies>



</project>
```