Automate an E-Commerce Web Application Code

```java
package simplilearn.com.testng;


import java.util.NoSuchElementException;

import java.util.concurrent.TimeUnit;

import java.util.function.Function;


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 org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;


public class Flipkart {

        WebDriver driver;


         @Test
        public void flipkart() throws Exception  {


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

                driver.findElement(By.name("q")).sendKeys("iphone 14");
```

```java
driver.findElement(By.cssSelector("#container > div > div._1kfTjk > div._1rH5Jn
> div._2Xfa2_ > div._1cmsER > form > div > button")).click();


    Thread.sleep(3000);


    JavascriptExecutor js = (JavascriptExecutor)driver;
    js.executeScript("window.scrollBy(0,document.body.scrollHeight)");
    System.out.println("Reached At bottom of the page");



    //identify image
    WebElement i = driver.findElement

(By.xpath("//*[@id=\"container\"]/div/div[3]/div[1]/div[2]/div[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\" " +
"&& arguments[0].naturalWidth > 0", i);


    //verify if status is true
    if (p) {
      System.out.println("Logo present");
    } else {
      System.out.println("Logo not present");
    }
```

```java
        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>(){


            @Test
            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;

                }
```

```java
			}

		});
	}



	@BeforeMethod
	public void beforeMethod() {


		System.setProperty("webdriver.chrome.driver", "C:\\Users\\princ\\eclipse-workspace\\Phase-5\\chromedriver_win32\\chromedriver.exe");
		driver= new ChromeDriver();
		driver.manage().window().maximize();


	}


	@AfterMethod
	public void afterMethod() {
		//driver.close();
		//driver.navigate().refresh();
		driver=null;
	}



}
```