PHASE-END-PROJECT - 5
AUTOMATE AN E-COMMERCE WEB APP

Flipkart.com

↓

| Q | Product → Category |

↓

List of product items

item-1)

item-2

lazy loading → | item | | item-2 |

To display ~~more~~ ⊙ load more products, user must scroll down

Project Structure

Automate an E-Commerce-web application
    ↳ JRE System library
    ↳ src
        ↳ automate-E-Com-web-app
           ↳ webApp.java
        ↳ mavens dependencies.
        ↳ Referenced Libraries
        ↳ TestNG
        bin
        ↳ target
           ↳ test-classes.
        pom.xml
        testng.Xml)

Code snippet
WebApp.java

package automate_E_com_Web_app;

import statements;

public class WebApp {
    WebDriver driver;

    @ Before Method   // This is JestNG annotation
    public void auto_setup() throws Interrupted Exception {
        System.setProperty("webdriver.chrome.driver",
            "C:\\Users\\ ———— \\chromedriver.Exe");
        driver = new ChromeDriver();
        Thread.sleep(2000);
        System.out.println("The Operations are performed");
    }

    @ Test
    public void boost_loadTime() throws Interrupted Exce{
        System.setProperty("webdriver.chrome.driver",
            "C:\\Users\\ ———— \\chromedriver.Exe");
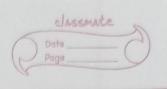   driver.get("https://www.flipkart.com/");
        driver.manage().window().maximize();

        JavaScriptExecutor js = (JavaScriptExecutor)driver;
        long start_time = System.currentTimeMillis();
        js.executeAsyncScript("window.setTimeOut(arguments
            [arguments.length - 1], 3000);");
        System.out.println("Passed Time:" + (System.
            currentTimeMillis() - start_time) + "milliseconds")

```java
Thread.sleep(2000);

driver.findElement(By.xpath("//input[@class='-
                   2-VJZDxu']")).sendKeys
        ("Vnb4401@gmail.com");
Thread.sleep(2000);
driver.findElement(By.xpath("//input[@class='-2
                   2-'-3xctlb VJZDxu']")).
    sendKeys("Vish@0000");
Thread.sleep(2000);
driver.findElement(By.xpath("//button[@class='
                   2KpzGI-2Hklqd-3AWRr L']")).
    click();
Thread.sleep(4000);
System.out.println("Login successful");
driver.quit();
```

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```java
// searching for the product (iphone 13)
@Test
public void choose_scroll() throws InterruptedException
    driver.navigate().to("https://www.flipkart.com/
    driver.manage().window().maximize();
    driver.findElement(By.xpath("//input[@class=
                   '-370uLt']")).sendKeys
        ("iphone 13");
    Thread.sleep(2000);
    driver.findElement(By.xpath("//button[@class='
    LOZ3pu']")).click();
    Thread.sleep(4000);
    System.out.println("Displaying iphone 13 under
                   mobile category");
```

Thread. Sleep (3000);

// Scrolling the Menu till the height of page

```
JavaScriptExecutor js = (JavaScript Executor)driver;
js. ExecuteScript ('scrollBy (0, 2000)");
Thread. Sleep (1500);
js. ExecuteScript ('scrollBy (0, 2000)');
Thread. Sleep (2000);
"
"

System. out. println ('Reached to the bottom of screen');

// Scrolling the Menu to the top of the page

js. ExecuteScript ('scrollBy (0, -2000)");
Thread. Sleep (2000);
js. ExecuteScript (' scrollBy (0, -2000)');
Thread. Sleep (2000);
js. ExecuteScript ('scrollBy (0, -2000)");
Thread. Sleep (2000);
driver. navigate(). refresh ();
System. out. println ("Refused the page successfully");
driver. get ();
}
}
④ Test
public void firefox setup() throws InterruptedException {
```

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