```java
package framework;

import java.io.File;

import java.io.IOException;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.DataProvider;

import framework.ExcelUtils;


public class ExcelDataProvider  {

    static String projectPath;

    static WebDriver driver;


    public static void setup() throws InterruptedException {

        projectPath = System.getProperty("user.dir");

        System.setProperty("webdriver.chrome.driver",
projectPath+"\\drivers\\chromedriver\\chromedriver.exe");

        driver = new ChromeDriver();


        driver.manage().window().maximize();

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

        }


    public static void CheckLogin(String Username, String Password) throws InterruptedException{

        WebElement U =
driver.findElement(By.xpath("/html/body/div[2]/div/div/div/div/div[2]/div/form/div[1]/input"));

        Thread.sleep(2000);
```

```java
            U.click();

            U.sendKeys(Username);

            WebElement P =
driver.findElement(By.xpath("/html/body/div[2]/div/div/div/div/div[2]/div/form/div[2]/input"));

            Thread.sleep(2000);

            P.click();

            P.sendKeys(Password);

            P.sendKeys(Keys.RETURN);

            Thread.sleep(2000);

            Boolean result =
driver.findElement(By.xpath("//*[@id='container']/div/div[1]/div[1]/div[2]/div[3]/div/div/div/div")).isD
isplayed();

            System.out.println(result);

            Thread.sleep(5000);

    }


    public static void CheckLocation(String Pincode) throws InterruptedException{

            WebElement cart =
driver.findElement(By.xpath("//*[@id='container']/div/div[1]/div[1]/div[2]/div[5]/div/div/a/span"));

            cart.click();

            Thread.sleep(2000);

            WebElement pincode =
driver.findElement(By.xpath("//*[@id='container']/div/div[2]/div/div/div[1]/div[1]/div[1]/div[2]/div/div
[2]/input"));

            pincode.click();

            pincode.sendKeys(Pincode);

            pincode.sendKeys(Keys.RETURN);

            Thread.sleep(2000);

            Boolean result =
driver.findElement(By.xpath("//*[@id='container']/div/div[2]/div/div/div[1]/div[1]/div[2]/div/div[1]/div
[2]/ul[1]/li/div")).isDisplayed();

            System.out.println(result);

    }


    public static void Add(){
```

```java
        WebElement add =
driver.findElement(By.xpath("//*[@id='container']/div/div[2]/div/div/div[1]/div[1]/div[2]/div/div[3]/div
[1]/div/button[2]"));

        add.click();

    }


    public static void Remove(){

        WebElement remove =
driver.findElement(By.xpath("//*[@id='container']/div/div[2]/div/div/div[1]/div[1]/div[2]/div/div[3]/div
[2]/div[2]"));

        remove.click();


        WebElement confirm =
driver.findElement(By.xpath("//*[@id='container']/div/div[1]/div/div[3]/div/div[2]"));

        confirm.click();

    }


    public void failed(String arg0){

        File screenshotFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

        try {

            FileUtils.copyFile(screenshotFile, new File("F:\\"+arg0+".png"));

            System.out.println(arg0);

        } catch (IOException e1) {

            e1.printStackTrace();

        }

    }


    @DataProvider(name="testdata")

    public Object[][] getdata(){

        String projectPath = System.getProperty("user.dir");

        Object[][] data = testdata(projectPath +"\\Data\\data.xlsx","Sheet1");

        return data;

    }


    @DataProvider(name="locationdata")
```

```java
public Object[][] data(){

        String projectPath = System.getProperty("user.dir");

        Object[][] data = locdata(projectPath +"\\Data\\data.xlsx","Sheet2");

        return data;

}


public Object[][] testdata(String excelpath, String sheet){

        ExcelUtils excel = new ExcelUtils(excelpath,sheet);

        int RowCount = excel.getRowNo();

        int ColCount = excel.getColumnNo();


        Object Data[][] = new Object[RowCount-1][ColCount];


        for(int i=1; i<RowCount; i++){

                for(int j=0;j<ColCount; j++){

                        String celldata = excel.getCellDataString(i, j);

                        System.out.print(celldata+" | ");

                        Data[i-1][j] = celldata;

                }

                System.out.println();

        }

        return Data;

}


public Object[][] locdata(String excelpath, String sheet){

        ExcelUtils excel = new ExcelUtils(excelpath,sheet);

        int RowCount = excel.getRowNo();

        int ColCount = excel.getColumnNo();


        Object Data[][] = new Object[RowCount-1][ColCount];


        for(int i=1; i<RowCount; i++){

                for(int j=0;j<ColCount; j++){
```

```java
                    String celldata = excel.getCellDataNumeric(i, j);

                    System.out.print(celldata);

                    Data[i-1][j] = celldata;

                }

                System.out.println();

            }

            return Data;

        }

    }
```