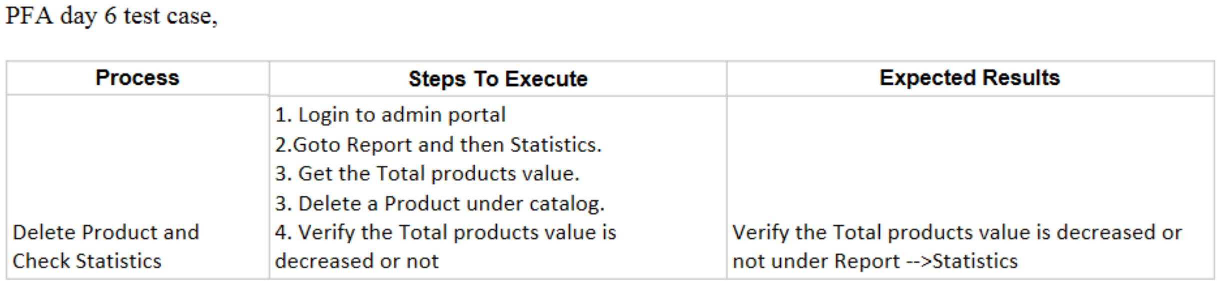


PFA day 6 test case,

Process	Steps To Execute	Expected Results
Delete Product and Check Statistics	1. Login to admin portal 2.Goto Report and then Statistics. 3. Get the Total products value. 3. Delete a Product under catalog. 4. Verify the Total products value is decreased or not	Verify the Total products value is decreased or not under Report -->Statistics

Eclipse program for BaseTest.java

```
package com.ibm.test;

import static org.testng.Assert.assertTrue;

import java.io.IOException;
import java.util.HashMap;
import java.util.concurrent.TimeUnit;

import org.junit.Assert;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.BeforeTest;
//import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;
//import com.ibm.utilities.ExcelUtil;
import com.ibm.utilities.PropertiesFileHandler;


public class BaseTest {
        WebDriver driver;
        WebDriverWait wait;
        PropertiesFileHandler propFileHandler;
        HashMap<String, String> data;
        //Use properties to solve the simple test cases.
        @BeforeSuite
        public void testcase1() throws IOException
        {
                //Locating property file
                String file="./TestData/data.properties";
                propFileHandler = new PropertiesFileHandler();
                data= propFileHandler.getPropertiesAsMap(file);
        }
```

```
    @BeforeMethod
    public void Initialization()
    {
        //Open chrome and wait

    System.setProperty("webdriver.chrome.driver","./drivers/chromedriver.exe");
        driver=new ChromeDriver();
        wait=new WebDriverWait(driver,60);
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

    }

    @AfterMethod
    public void closeBrowser() {
        driver.quit();
    }



//Delete product and check statistics
    @Test(priority=6)
    public void deleteProductTestCase() throws IOException, InterruptedException
    {
        //using data from property file
        String url = data.get("url");
        String userName=data.get("username");
        String passWord=data.get("password");
        driver.get(url);

        AdminPage adminPage=new AdminPage(driver, wait);

        adminPage.enterEmail(userName);
        adminPage.enterPassword(passWord);

        adminPage.CaptureScreenshot(driver);

        adminPage.clickOnLogin();
        adminPage.CaptureScreenshot(driver);

        adminPage.clickOnReports();

        adminPage.clickOnStatistics();
        adminPage.CaptureScreenshot(driver);

        int totalProducts=adminPage.totalProductsInStatistics();

        adminPage.Catelog();
        adminPage.CaptureScreenshot(driver);

        adminPage.ClickOnProducts();
        adminPage.CaptureScreenshot(driver);

        adminPage.ClickOnActions();
        adminPage.ClickOnDeleteUnderActions();
```

```
             Thread.sleep(1000);
             adminPage.ClickOnDeleteConfirm();
             Thread.sleep(2000);
             adminPage.CaptureScreenshot(driver);

             adminPage.clickOnReports();
             adminPage.clickOnStatistics();
             adminPage.CaptureScreenshot(driver);

             int
totalProductsAfterDeleteOneProduct=adminPage.totalProductsInStatistics();

             if(totalProductsAfterDeleteOneProduct<totalProducts)
             {
                    System.out.println("Product deleted Successfully and total
products value is decreased");
                    }
             else
             {
                    Assert.fail("Product value is not decreased and test failed");
                    }
             }
```

AdminPage.test

```
package com.ibm.pages;

import static org.testng.Assert.assertEquals;

import java.io.File;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.util.Date;
import java.util.List;
import java.util.Properties;
import java.util.concurrent.TimeUnit;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.Test;
```

```java
import com.ibm.test.LoginPage;

public class AdminPage {

    //xpaths for locating webelements in webpage
    @FindBy(name="email")
    WebElement emailAdd;

    @FindBy(name="pword")
    WebElement enterPass;

    @FindBy(xpath="//button[@class='btn btn-labeled btn-info m-b-5']")
    WebElement loginEle;

    @FindBy(xpath="//*[text()=' Catalog']")
    WebElement catalogEle;

    @FindBy(xpath="//*[text()=' Categories']")
    WebElement categorySel;

    @FindBy(xpath="//table[@id='dataTableExample2']/tbody/tr[10]/td[1]")
    WebElement tablelastColValue;

    @FindBy(xpath="(//*[@aria-controls='dataTableExample2'])[16]")
    WebElement pageTwoButton;

    @FindBy(xpath="(//*[@aria-controls='dataTableExample2'])[18]")
    WebElement nextButtoninPage;

    @FindBy(xpath="(//*[@aria-controls='dataTableExample2'])[14]")
    WebElement previousButtonInPage;

    @FindBy(xpath="//*[text()=' Banners']")
    WebElement bannersSel;

    @FindBy(xpath="//a[@title='Add New']")
    WebElement addNewButton;

    @FindBy(xpath="//button[@type='Submit']")
    WebElement clickOnSave;

    @FindBy(name="name")
    WebElement bannerNameField;

    @FindBy(xpath="//*[text()='   Reports']")
    WebElement clickOnReports;

    @FindBy(xpath="//*[text()=' Reports']")
    WebElement clickOnReturnReports;

    @FindBy(name="report")
    WebElement selectDropDown;

    @FindBy(xpath="//span[@class='input-group-addon']")
    WebElement clickOnFilter;
```

```
	@FindBy(xpath="//table[@id='dataTableExample2']/tbody/tr")
	List<WebElement> selectReportTable;

	@FindBy(xpath="//table[@id='dataTableExample2']/tbody/tr[1]/td")
	WebElement tableData;

	@FindBy(xpath="//*[text()='   System']")
	WebElement systemSection;

	@FindBy(xpath="//*[text()=' Weight Class']")
	WebElement weightClass;

	@FindBy(xpath="(//*[@class='caret'])[5]")
	WebElement clickOnAction;

	@FindBy(xpath="(//*[@title='Edit'])[5]")
	WebElement clickOnEdit;

	@FindBy(xpath="//input[@name='name']")
	WebElement editWeightName;

	@FindBy(xpath="//input[@name='unit']")
	WebElement editUnitName;

	@FindBy(xpath="//*[@name='status']")
	WebElement editStatus;

	@FindBy(xpath="//button[@title='Save']")
	WebElement clickOnSavebuttonInSettings;

	@FindBy(xpath="(//*[@class='material-ripple'])[17]")
	WebElement clickOnSystem;

	@FindBy(xpath="//*[text()='  Shipping']")
	WebElement clickOnShipping;

	@FindBy(xpath="//*[text()=' Settings']")
	WebElement clickOnSettings;

	@FindBy(xpath="//input[@id='store_name']")
	WebElement storeName;

	@FindBy(xpath="//div[@class='alert alert-success alert-dismissible']")
	WebElement successMsgText;

	@FindBy(xpath="//*[text()=' Statistics']")
	WebElement clickonStatistics;


	@FindBy(xpath="//table[@class='table table-bordered table-striped table-
hover']/tbody/tr[5]/td[2]")
	WebElement totalProducts;

	@FindBy(xpath="//*[text()=' Products']")
```

```
        WebElement clickOnProducts;

        @FindBy(xpath="(//*[@class='caret'])[1]")
        WebElement clickOnActions;

        @FindBy(xpath="(//*[text()='Delete'])[1]")
        WebElement clickOnDeleteUnderActions;

        @FindBy(xpath="//button[@class='confirm']")
        WebElement clickOnConfirmDelete;


        /*@FindBy(xpath="//button[@type='Submit']")
        WebElement clickOnSaveButton;*/


        WebDriverWait wait;
        WebDriver driver;

        public AdminPage(WebDriver driver, WebDriverWait wait)
        {
                PageFactory.initElements(driver, this);
                this.driver=driver;
                this.wait=wait;
        }

        //Enter email address
        public void enterEmail(String username)
        {
                emailAdd.sendKeys(username);
        }
        //To enter password
        public void enterPassword(String password)
        {
                enterPass.sendKeys(password);
        }
        //click on Login button
        public void clickOnLogin()
        {
                loginEle.click();
        }

        //Capture screen shot method.. including date in between filename
        public void CaptureScreenshot(WebDriver driver) throws IOException
        {
                File file=((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);

                //Created date method to include date in screen shot file name
                Date date=new Date();

                //Changing : into - to understand easily and seperate day-month-year
                String currentDate=date.toString().replace(":", "-");

                FileUtils.copyFile(file, new File("./ProjectOneSS/LoginPage-
"+currentDate+".png"));
```

```
    }
    //Selecting catelog
     public void Catelog()
     {
        catalogEle.click();
     }
     //Selecting category
    public void selCategory()
    {
        categorySel.click();
    }
    //TableColValue from Last row
    public String tableValue()
    {
        return tablelastColValue.getText();
    }

    //Method to verify Page 2 navigation button is displayed and working or not
    public void pageTwoNavi()
    {
        if(pageTwoButton.isDisplayed() && pageTwoButton.isEnabled())
        {
            System.out.println("Page navigation is displayed and enabled");
            pageTwoButton.click();
        }
        else
        {
            //Condition to fail test case if next page number 2 not displayed
or not enabled
            Assert.fail("Page Navigation is failed");
        }

    }
    //Method to verify Next Button is displayed and working or not
    public void nextButton()
    {
        if(nextButtoninPage.isDisplayed() && nextButtoninPage.isEnabled())
        {
            System.out.println("Next Button is displayed and Enabled");
            nextButtoninPage.click();
        }
        else
        {
            //Condition to fail test case if Next button not displayed or not
enabled
            Assert.fail("Next Button is disabled");
        }

    }
    //Method to verify Previous button is displayed and working or not
    public void previousButton()
    {
        if(previousButtonInPage.isDisplayed() &&
previousButtonInPage.isEnabled())
        {
            System.out.println("Previous Button is displayed and Enabled");
            previousButtonInPage.click();
        }
        else
        {
            //Condition to fail test case if Previous button not displayed or
not enabled
            Assert.fail("Previous button is disabled");
        }

    }
    //To click on Banners on LHS
    public void clickOnBanners()
    {
        bannersSel.click();
    }

    //To click on Add new button in Banners
    public void clickOnAddNewButton()
    {
        addNewButton.click();
    }

    //Click on Save button
    public void clickOnSaveButton()
    {
        clickOnSave.click();
    }

    //Verifying validation message
    public void validationMessage()
    {
        JavascriptExecutor js=(JavascriptExecutor)driver;
        String sText=js.executeScript("return
document.getElementsByName('name')[\"0\"].validationMessage").toString();
        System.out.println(sText);

    }
    //Enter in Banner Name field
    public void bannerName()
    {
        bannerNameField.sendKeys("BannerTestCase");
    }

    //CLick on Reports link
    public void clickOnReports()
    {
        clickOnReports.click();
    }

    //Click on reports under Reports
    public void returnReports()
    {
        clickOnReturnReports.click();
    }
```

```java
//Select Value from Drop down
public void selectDropDown()
{
	Select select=new Select(selectDropDown);
	select.selectByVisibleText("Returns Report");
}

/*//Click on Filters
public void clickOnFilter()
{
	clickOnFilter.click();
}*/
//Select Table
public void selectReportTable()
{
	int rowsInTable=selectReportTable.size();
	System.out.println("Rows in Table - "+rowsInTable);
}

//print Table data
public void tableData()
{
	String firstRowValue=tableData.getText();
	System.out.println("Table value "+firstRowValue);
}
//To click on System
public void systemSection()
{
	systemSection.click();
}

//To click on Weight class
public void weightClass()
{
	weightClass.click();
}

//Click on Action tab
public void ClickOnAction()
{
	clickOnAction.click();
}

//Click on Edit option
public void ClickOnEdit()
{
	clickOnEdit.click();
}

//Edit Weight Name
public void EditWeightName()
{
	editWeightName.clear();
	editWeightName.sendKeys("Kilograms");
```

```
    }

    //Edit Unit Name
    public void EditUnitName()
    {
        editUnitName.clear();
        editUnitName.sendKeys("1");
    }
    //Select Status
    public void SelectStatus()
    {
        Select selDropValue=new Select(editStatus);
        selDropValue.selectByValue("1");
    }
    //Click on Save button
    /*public void ClickOnSaveButton()
    {
        clickOnSaveButton.click();
    }*/

    //loop to validate presence of Edit weight Name in Weight class
    public void verifyWeightName()
    {
        int rowsInWeightClassTable=selectReportTable.size();

        String weightNameInWeightClass=null;
        String statusFromWeightClass=null;

        for(int i=1;i<=rowsInWeightClassTable;i++)
        {
            WebElement 
weightName=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i
+"]/td[2]"));
            WebElement 
statusInWeightClass=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbo
dy/tr["+i+"]/td[4]"));

            weightNameInWeightClass= weightName.getText();
            statusFromWeightClass=statusInWeightClass.getText();

            if(weightNameInWeightClass.equals("Kilograms"))
            {
                break;
            }
        }
            //Confirming edited weightName
            if(weightNameInWeightClass.equals("Kilograms") && 
statusFromWeightClass.equals("Enabled"))
            {
                System.out.println("WeightName successfully edited");
            }
            else
            {
                //If Weight Name is not edited fail the test case
                Assert.fail("WeightName is not Edited in Weight Class
screen");
            }
        }



    //Click on System tab on LHS
    public void ClickOnSystem()
    {
        clickOnSystem.click();
    }

    //Click on Shipping
    public void ClickOnShipping()
    {
        clickOnShipping.click();
    }

    //Click on Settings on LHS
    public void ClickOnSettings()
    {
        clickOnSettings.click();
    }
    //Edit store name in Edit Settings
    public void StoreNameEdit(String newStoreName)
    {
        storeName.clear();
        storeName.sendKeys(newStoreName);
    }

    //Click on Save button
    public void ClickOnSaveButtonInSettings()
    {
        clickOnSavebuttonInSettings.click();
    }

    //Validation on edit Store name success message
    public void SuccessMsgTest(String editStoreNameMsg)
    {
        String storeNameEdited=successMsgText.getText();
        Assert.assertTrue(storeNameEdited.contains(editStoreNameMsg),"Assertion
on edit Store Name");
    }

    public void clickOnStatistics()
    {
        clickonStatistics.click();
    }

    public int totalProductsInStatistics()
    {

        String totalProductsInTable=totalProducts.getText();
        int prods=Integer.parseInt(totalProductsInTable);
```

```java
                //System.out.println("Total Products "+prods);
                return prods;

        }
        public void ClickOnProducts()
        {
                clickOnProducts.click();
        }
        public void ClickOnActions()
        {

        wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("dataTableExample2")));
                clickOnActions.click();
        }
        public void ClickOnDeleteUnderActions()
        {
                clickOnDeleteUnderActions.click();
        }
        public void ClickOnDeleteConfirm()
        {
                clickOnConfirmDelete.click();
        }

}
```

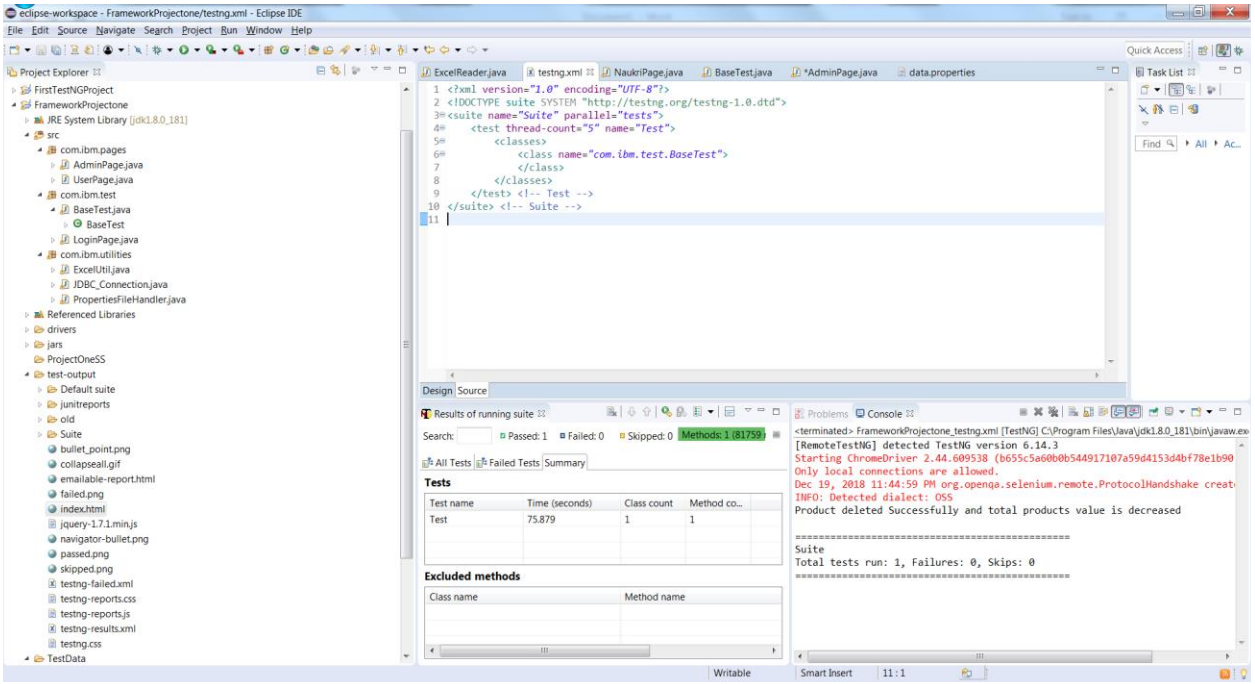
Data.properties file

```
url=https://atozgroceries.com/admin
username=demo@atozgroceries.com
password=456789
bannertitle=Banner | Admin Panel - Powered By A&S
editStoreNameMsg=Success: You have successfully updated Store!
newStoreName=ZtoA groceries Store
```

TestNG file

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite" parallel="tests">
        <test thread-count="5" name="Test">
                <classes>
                        <class name="com.ibm.test.BaseTest">
                        </class>
                </classes>
        </test> <!-- Test -->
</suite> <!-- Suite -->
```

Eclipse screen of Output



```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite" parallel="tests">
    <test thread-count="5" name="Test">
        <classes>
            <class name="com.ibm.test.BaseTest">
            </class>
        </classes>
    </test> <!-- Test -->
</suite> <!-- Suite -->
```

Search: Passed: 1 Failed: 0 Skipped: 0 Methods: 1 (81759

Tests

Test name	Time (seconds)	Class count	Method co...
Test	75.879	1	1

Excluded methods

Class name	Method name

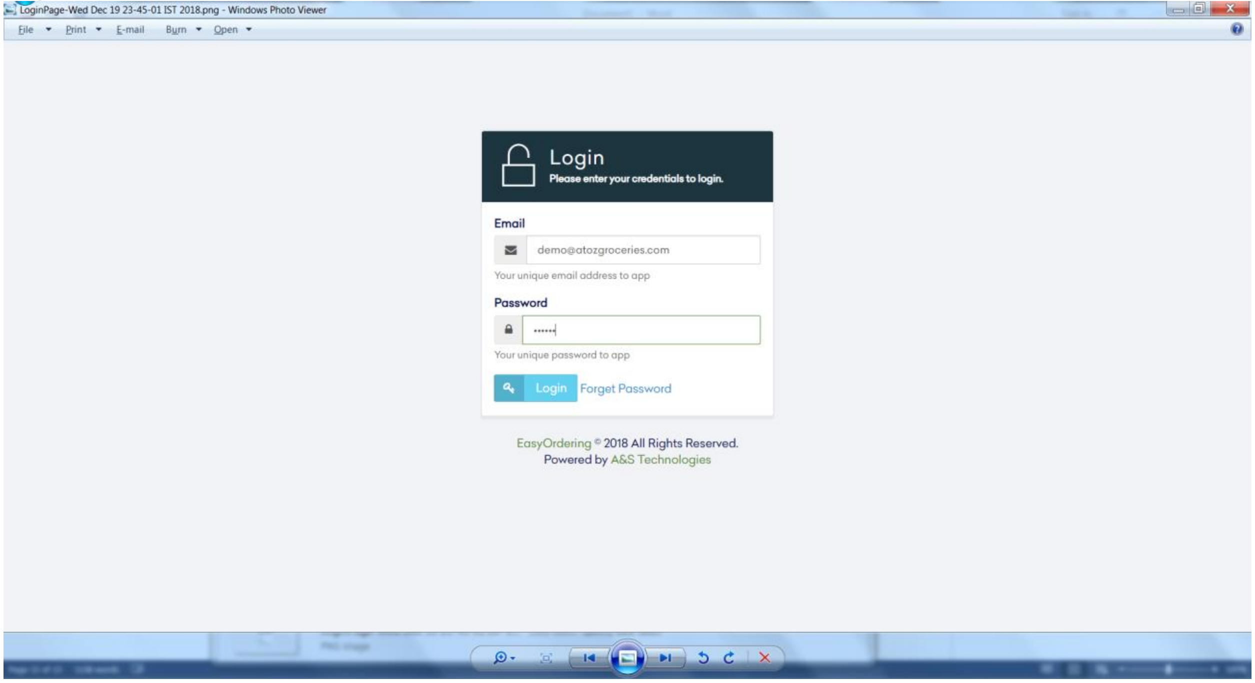
```
<terminated> FrameworkProjectone_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.ex
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90
Only local connections are allowed.
Dec 19, 2018 11:44:59 PM org.openqa.selenium.remote.ProtocolHandshake creat
INFO: Detected dialect: OSS
Product deleted Successfully and total products value is decreased

===============================================
Suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

Test Case ran from TestNG file and it is pass

Browser screen shots for each step

Login screen


LoginPage-Wed Dec 19 23-45-01 IST 2018.png - Windows Photo Viewer
File
Print
E-mail
Burn
Open

Login

Please enter your credentials to login.

Email

demo@atozgroceries.com

Your unique email address to app

Password

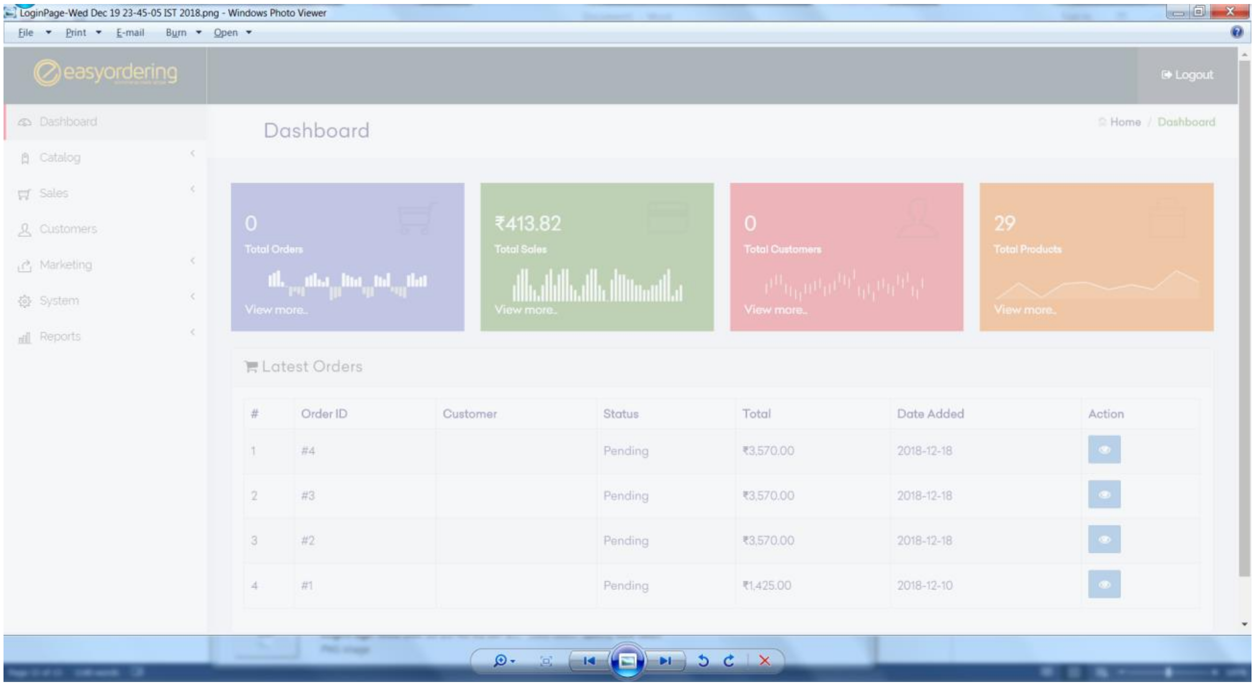
••••••

Your unique password to app

Login Forget Password

EasyOrdering © 2018 All Rights Reserved.
Powered by A&S Technologies

DashBoard



Dashboard

0 Total Orders View more..

₹413.82 Total Sales View more..

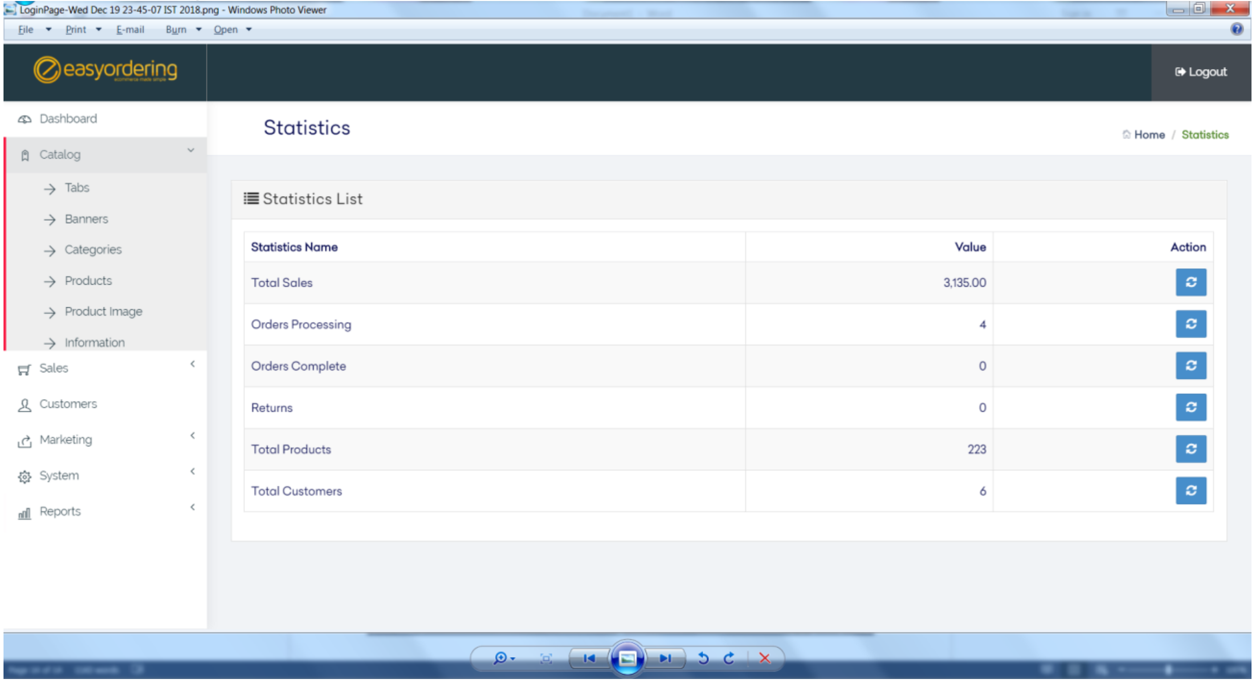
0 Total Customers View more..

29 Total Products View more..

Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#4		Pending	₹3,570.00	2018-12-18	👁
2	#3		Pending	₹3,570.00	2018-12-18	👁
3	#2		Pending	₹3,570.00	2018-12-18	👁
4	#1		Pending	₹1,425.00	2018-12-10	👁

Statistics report

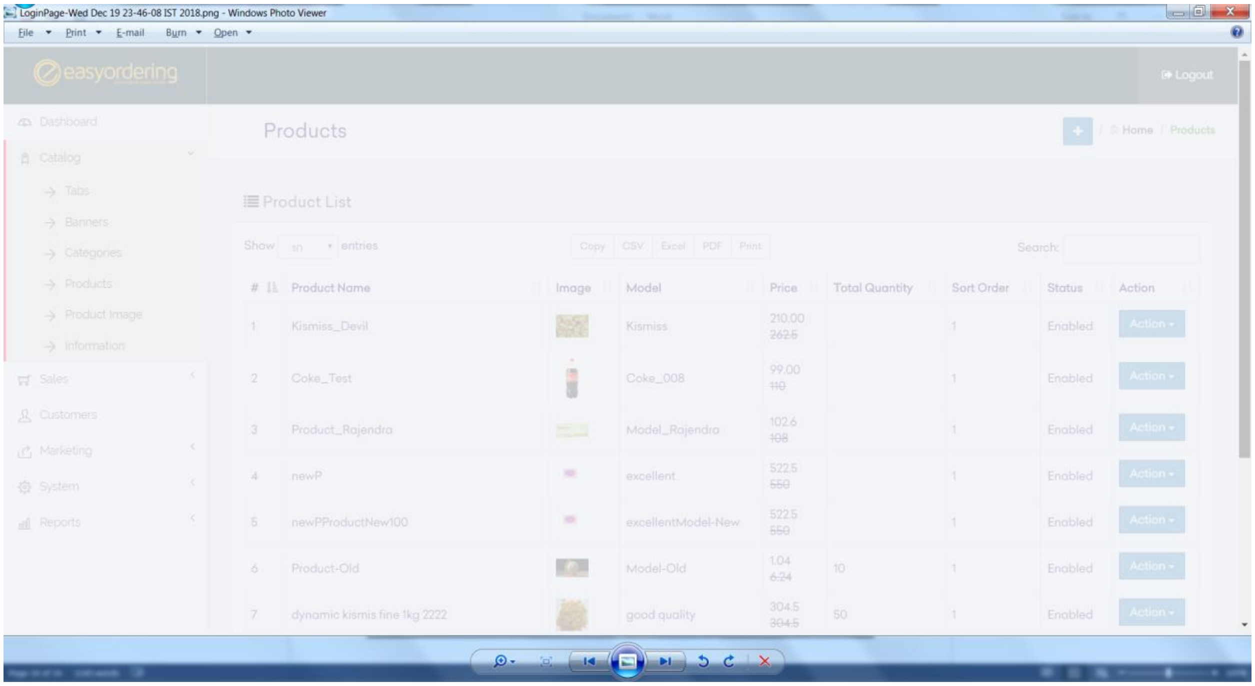


Statistics

Statistics List

Statistics Name	Value	Action
Total Sales	3,135.00	⟳
Orders Processing	4	⟳
Orders Complete	0	⟳
Returns	0	⟳
Total Products	223	⟳
Total Customers	6	⟳

Products list



LoginPage-Wed Dec 19 23-46-08 IST 2018.png - Windows Photo Viewer

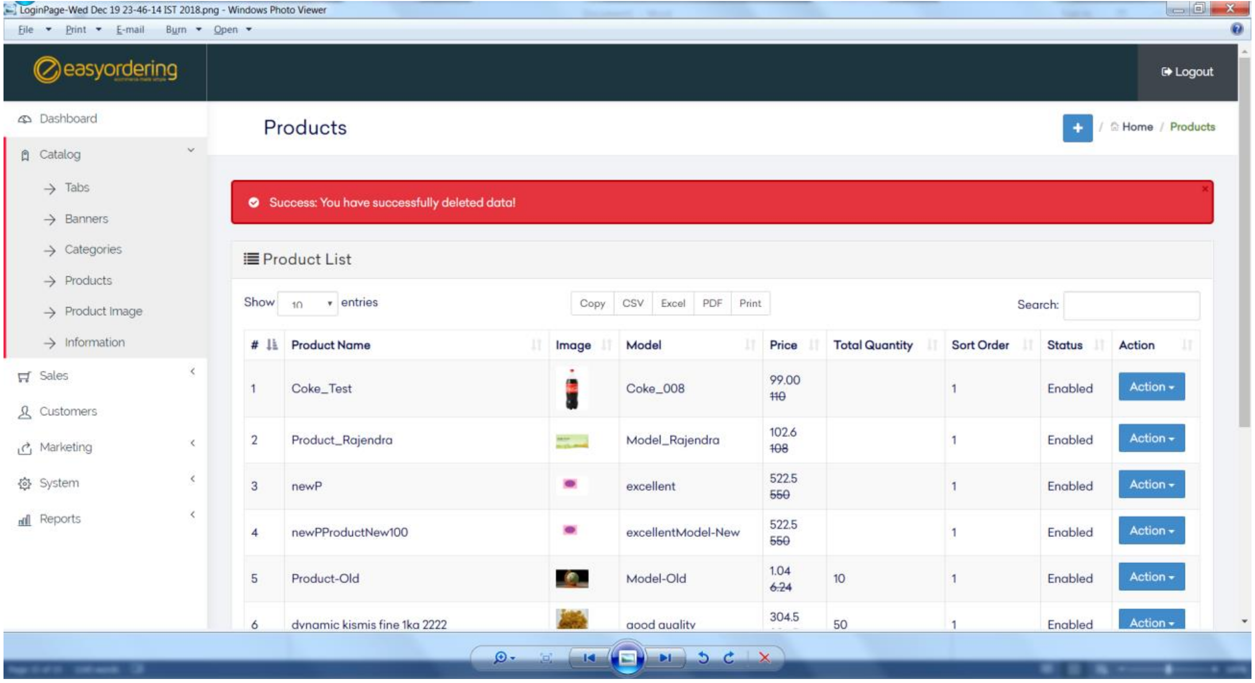
Products

Product List

Show 10 entries

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Kismiss_Devil		Kismiss	210.00 ~~262.5~~		1	Enabled	Action
2	Coke_Test		Coke_008	99.00 ~~110~~		1	Enabled	Action
3	Product_Rajendra		Model_Rajendra	102.6 ~~108~~		1	Enabled	Action
4	newP		excellent	522.5 ~~550~~		1	Enabled	Action
5	newPProductNew100		excellentModel-New	522.5 ~~550~~		1	Enabled	Action
6	Product-Old		Model-Old	1.04 ~~6.24~~	10	1	Enabled	Action
7	dynamic kismis fine 1kg 2222		good quality	304.5 ~~304.5~~	50	1	Enabled	Action

Deleted first product



LoginPage-Wed Dec 19 23-46-14 IST 2018.png - Windows Photo Viewer

Products

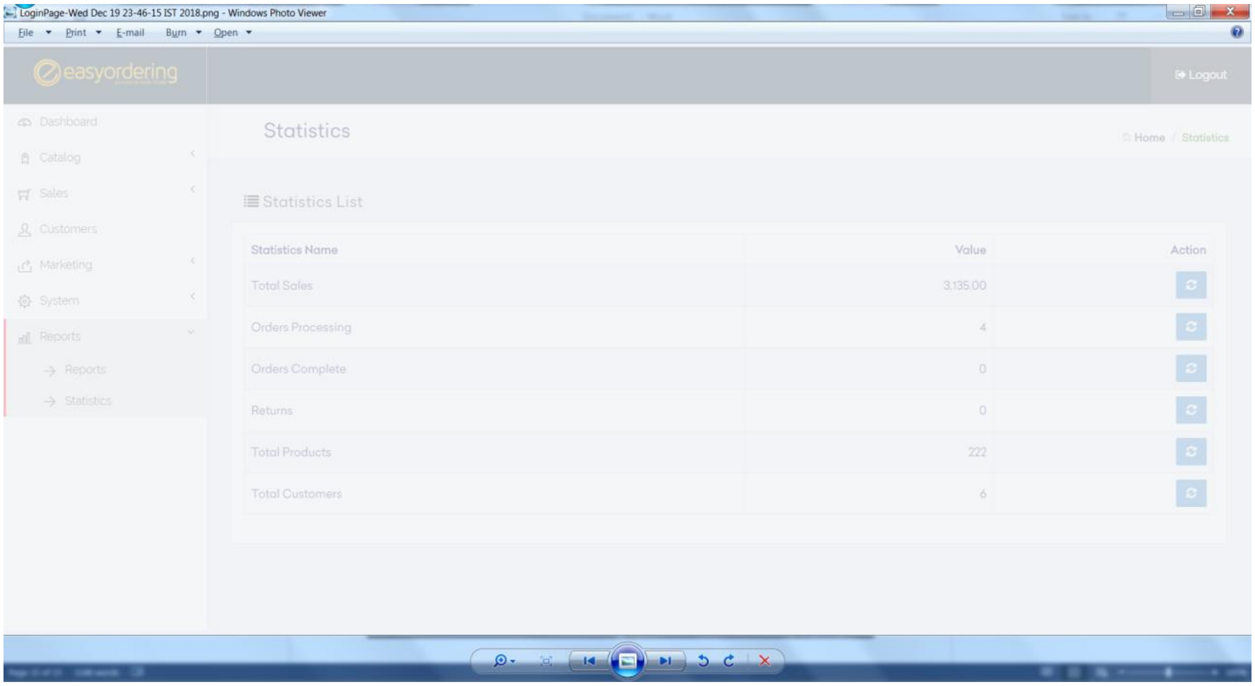
Success: You have successfully deleted data!

Product List

Show 10 entries

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Coke_Test		Coke_008	99.00 ~~110~~		1	Enabled	Action
2	Product_Rajendra		Model_Rajendra	102.6 ~~108~~		1	Enabled	Action
3	newP		excellent	522.5 ~~550~~		1	Enabled	Action
4	newPProductNew100		excellentModel-New	522.5 ~~550~~		1	Enabled	Action
5	Product-Old		Model-Old	1.04 ~~6.24~~	10	1	Enabled	Action
6	dynamic kismis fine 1kg 2222		good quality	304.5	50	1	Enabled	Action

Final Statistics screen to check Total Products value



Statistics

Statistics List

Statistics Name	Value	Action
Total Sales	3,135.00	
Orders Processing	4	
Orders Complete	0	
Returns	0	
Total Products	222	
Total Customers	6	

```
Total products value is decreased
```

```
Emailable report
```

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	81,492		

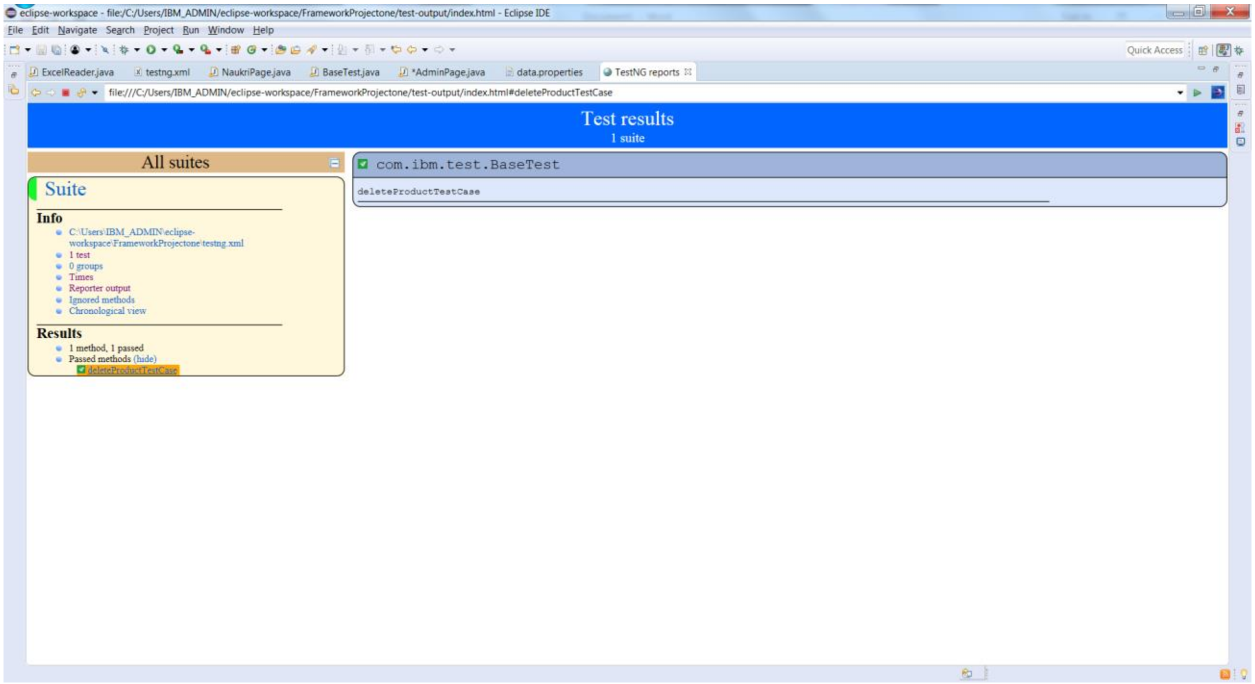
Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.BaseTest	deleteProductTestCase	1545243299505	75879

Test

com.ibm.test.BaseTest#deleteProductTestCase

back to summary

```
IndeX.html output
```



eclipse-workspace - file:/C:/Users/IBM_ADMIN/eclipse-workspace/FrameworkProjectone/test-output/index.html - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Quick Access
ExcelReader.java
testng.xml
NaukriPage.java
BaseTest.java
*AdminPage.java
data.properties
TestNG reports

file:///C:/Users/IBM_ADMIN/eclipse-workspace/FrameworkProjectone/test-output/index.html#deleteProductTestCase

Test results
1 suite

All suites

Suite

Info

- C:\Users\IBM_ADMIN\eclipse-workspace\FrameworkProjectone\testng.xml
- 1 test
- 0 groups
- Times
- Reporter output
- Ignored methods
- Chronological view

Results

- 1 method, 1 passed
- Passed methods (hide)
  - ✓ deleteProductTestCase

✓ com.ibm.test.BaseTest

deleteProductTestCase

Test case pass