

2.1 TC013

Delete the product	1. Login to admin portal 2. Delete product	1. Verify the deleted product under the tab list. 2. Validate the success message 3. Verify that deleted product is not present on the database. 4. Verify the product is not listed on the user page. https://atozgroceries.com/
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2.2 Coding

Admin page

```
package com.ibm.pages;
```

```
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.support.FindBy;  
import org.openqa.selenium.support.How;  
import org.openqa.selenium.support.PageFactory;  
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
public class AdminPage {  
    @FindBy(how=How.NAME,using="email")WebElement emailEle;  
    @FindBy(how=How.NAME,using="pword")WebElement passEle;  
    @FindBy(how=How.XPATH,using="//button[@class='btn btn-labeled btn-info m-b-5']")WebElement loginEle;  
    WebDriverWait wait;  
    WebDriver driver;  
  
    public AdminPage(WebDriver driver,WebDriverWait wait) {  
        PageFactory.initElements(driver, this);  
        this.driver=driver;
```

```

        this.wait=wait;
    }

    public AdminPage enterEmailAddress(String uname)
    {
        emailEle.sendKeys(uname);
        return this;
    }

    public AdminPage enterPassword(String pwd)
    {
        passEle.sendKeys(pwd);
        return this;
    }

    public void clickOnLogin()
    {
        loginEle.click();
    }

}

```

ProductPage

```

package com.ibm.pages;

import java.awt.AWTException;
import java.awt.Robot;
import java.util.ArrayList;
import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.Dimension;

```

```

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.FindBys;
import org.openqa.selenium.support.How;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;


import com.sun.glass.events.KeyEvent;


public class ProductPage {

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][2]")WebElement catalog;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][6]")WebElement
products;

    @FindBy(how=How.XPATH,using="//a[@class='btn btn-primary']")WebElement add;

    @FindBy(how=How.ID,using="pro_name")WebElement productName;

    @FindBy(how=How.ID,using="meta_title")WebElement metatitle;

    @FindBy(how=How.XPATH,using="//button[@class='btn btn-primary']")WebElement save;

    @FindBy(how=How.XPATH,using="//table[@id='dataTableExample2']/tbody/tr/td[9]")WebE
lement table;

    @FindBy(how=How.LINK_TEXT,using="Delete")WebElement delete;

    @FindBy(how=How.XPATH,using="//*[@class='sweet-alert showSweetAlert
visible']")WebElement sweetAlert;

    @FindBy(how=How.XPATH,using="//button[@class='confirm']")WebElement
deleteConfirmation;

    @FindBy(how=How.LINK_TEXT,using="Edit")WebElement edit;

    @FindBy(how=How.XPATH,using="//input[@class='form-control input-sm']")WebElement
search;

    @FindBy(how=How.XPATH,using="//*[@id='dataTableExample2']/tbody/tr/td[5]")
WebElement price;

    @FindBy(how=How.LINK_TEXT,using="Data")WebElement data;

```

```

@FindBy(how=How.ID,using="model")WebElement model;

@FindBy(how=How.ID,using="gst")WebElement gst;

@FindBy(how=How.ID,using="price")WebElement dataPrice;

@FindBy(how=How.ID,using="special_dis")WebElement splDis;

@FindBy(how=How.ID,using="price_after_special_dis")WebElement priceAfterSplDis;

@FindBy(how=How.LINK_TEXT,using="Link")WebElement link;

@FindBy(how=How.ID,using="tabs")WebElement tabsDropdown;

@FindBy(how=How.ID,using="categories")WebElement categories;

@FindBy(how=How.LINK_TEXT,using="Image")WebElement image;

@FindBy(how=How.XPATH,using="//span[@class='btn btn-info btn-file']")WebElement
productImage;

@FindBy(how=How.XPATH,using="//*[@class='alert alert-danger alert-
dismissible']")WebElement successMsg;

```

```

WebDriverWait wait;

```

```

WebDriver driver;

```

```

public String prodNames;

```

```

public String sucessfullmsg;

```

```

public ProductPage(WebDriver driver,WebDriverWait wait) {

```

```

    PageFactory.initElements(driver, this);

```

```

    this.driver=driver;

```

```

    this.wait=wait;

```

```

}

```

```

public void clickCatalog()

```

```

{

```

```

    catalog.click();

```

```

}

```

```

public void clickProducts()

```

```

{

```

```

    products.click();

```

```

}

```

```
public void clickAdd()
{
    add.click();
}

public void sendValuesProductName(String data)
{
    productName.sendKeys(data);
}

public void sendValuesMetaTitle(String data)
{
    metatitle.sendKeys(data);
}

public void clickSave()
{
    save.click();
}

public void actionTable()
{
    table.click();
}

public void clickDelete()
{
    delete.click();
}

public void clickSweetAlert()
{
    sweetAlert.click();
}

public void confirmationDelete()
{
    deleteConfirmation.click();
}
```

```
}  
  
public void clickEdit()  
{  
    edit.click();  
}  
  
public void sendkeysSearch(String data)  
{  
    search.sendKeys(data);  
}  
  
public void clickData()  
{  
    data.click();  
}  
  
public void sendValuesModel(String data)  
{  
    model.sendKeys(data);  
}  
  
public void sendGstValue(String data)  
{  
    gst.sendKeys(data);  
}  
  
public void sendDataPriceValue(String data)  
{  
    dataPrice.sendKeys(data);  
}  
  
public void sendSplDiscountValue(String data)  
{  
    splDis.sendKeys(data);  
}  
  
public void sendPriceAfterSplDis(String data)  
{
```

```

        priceAfterSplDis.sendKeys(data);
    }

    public void clickLink()
    {
        link.click();
    }

    public void selectTabsDropdown()
    {
        Select se=new Select(tabsDropdown);
        se.selectByVisibleText("Tab_SA");
    }

    public void selectCategories()
    {
        Select sel=new Select(categories);
        sel.selectByVisibleText("Fruits");
    }

    public void clickImage()
    {
        image.click();
    }

    public void sendProductImage() throws InterruptedException
    {
        productImage.click();
        Thread.sleep(3000);
        WebElement frame =driver.switchTo().activeElement();
        frame.sendKeys("C:\\Users\\PavithraTSB\\Desktop\\Assignments\\image.png");
    }

    public void verifyingSuccessMsg()
    {
        sucessfullmsg = successMsg.getText();
        System.out.println(sucessfullmsg);
    }

```

```

    }

    public void IterateTableRow()
    {
        List<WebElement> row =
driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr"));

        int size = row.size();

        for(int i=1;i<=size;i++)
        {
            WebElement iterateRow =
driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));

            prodNames = iterateRow.getText();

            System.out.println("Results found from Product table");

            System.out.println(prodNames);
        }
    }

    public float roundOff;

    public void pricevalue()
    {
        String pv=price.getText().replace(",","");

        String rline=pv.substring(0,pv.indexOf("\n"));

        System.out.println("Actual price : " + rline);

        float actual_value=Float.parseFloat(rline);

        System.out.println(actual_value);

        float percentage = actual_value * 5/100;

        float result = actual_value - percentage;
    }

```



```

        System.out.println("5 % reduced value:" + result);

        roundOff=Math.round(result);

        System.out.println(roundOff);

    }

    public static void robot() throws AWTException
    {
        Robot robot=new Robot();

        robot.setAutoDelay(3000);

        robot.keyPress(KeyEvent.VK_ENTER);
    }
}

```

DBClass

```

package com.ibm.utilities;

import java.sql.SQLException;

public class DBClass extends DB {

    public String query;
    public int count;
    public String pushNotificationQuery;
    public String shippingPincodeQuery;
    public String myAccQuery;
    public String prodNameValidation;

    public void TC009() throws SQLException
    {
        query = DBClass.singleDataQuery("SELECT * FROM as_customer WHERE
name=\"PavithraTSB\"");
        System.out.println(query);
    }
    public void TC10PushNotificationCount() throws SQLException
    {
        count = DBClass.countQuery("SELECT COUNT(notification_id) FROM
as_pushnotification");
        System.out.println(count);
    }
    public void TC10PushNotificationRecordValidation() throws SQLException
    {
        pushNotificationQuery=DBClass.singleDataQuery("SELECT MESSAGE from
as_pushnotification WHERE name=\"Test_Pavithra\"");
        System.out.println(pushNotificationQuery);
    }
}

```

```

    }
    public void tc011ShippingPincodeRecordValidation() throws SQLException
    {
        shippingPincodeQuery = DBClass.singleDataQuery("SELECT * FROM
`as_shipping_pincode` WHERE pincode=\"7638932\"");
        System.out.println(shippingPincodeQuery);
    }
    public void tc012MyAccRecordValidation() throws SQLException
    {
        myAccQuery = DBClass.singleDataQuery("SELECT * FROM `as_customer`
WHERE address=\"Porur\"");
        System.out.println(myAccQuery);
    }
    public void tc013ProductNameDeletionValidation() throws SQLException
    {
        prodNameValidation = DBClass.singleDataQuery("SELECT * FROM
`as_products\"");
        System.out.println(prodNameValidation);
    }
}

```

UserPortalLoginPage

```

package com.ibm.pages;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.How;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.WebDriverWait;

public class UserPortalLoginPage {

    WebDriverWait wait;

    WebDriver driver;

    @FindBy(how=How.XPATH,using="//span[@class='input-group-
addon']")WebElement searchIcon;

    @FindBy(how=How.XPATH,using="//span[@class='click-categories flaticon-
bars']][2]")WebElement categoryList;

```

```

        @FindBy(how=How.XPATH,using="//input[@type='text']")WebElement
searchProducts;

        @FindBy(how=How.XPATH,using="//span[text()='Bislery Water']")WebElement
searchResult;

        @FindBy(how=How.XPATH,using="//*[@id='mm-
0']/div[5]/div/div[2]/div/div/div[2]/div/p[1]/span") WebElement pricetext;

        @FindBy(how=How.XPATH,using="//a[@class='register']")WebElement signup;
        @FindBy(how=How.XPATH,using="//input[@id='name']")WebElement fullname;

```

```

public String resulttext;

public UserPortalLoginPage(WebDriver driver,WebDriverWait wait) {

    PageFactory.initElements(driver, this);

    this.driver=driver;

    this.wait=wait;

}

public void clickSearchIcon()

{

    searchIcon.click();

}

public void shopByCategory() throws InterruptedException

{

    categoryList.click();

}

public void searchproduct(String product)

{

    searchProducts.sendKeys(product);

}

public void clickOnSearchResults()

```

```

    {
        searchResult.click();
    }

    public float expected_value;

    public void price_value()
    {
        String pc=      pricetext.getText().replace("₹", "");

        float value=Float.parseFloat(pc);

        expected_value=Math.round(value);
        System.out.println("expected_value :" + expected_value);

    }

    public void clickSignup()
    {
        signup.click();
    }

    public void searchresult()
    {

        System.out.println("search start");

        List<WebElement> result=
driver.findElements(By.xpath("//*[@id='searchproducts-div']"));

        for(WebElement resultget :result )
        {

```

```

        resulttext=resultget.getText();

        System.out.println("Results found in User Page \n"+resulttext);
    }
}

}

```

TC013

```

package com.ibm.test;

import java.awt.AWTException;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import java.util.concurrent.TimeUnit;

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.Assert;
import org.testng.Reporter;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;
import com.ibm.pages.ProductPage;
import com.ibm.pages.UserPortalLoginPage;
import com.ibm.utilities.DBClass;
import com.ibm.utilities.PropertiesFileHandler;

```

```

public class TC013 {

    WebDriver driver;

    WebDriverWait wait;

    PropertiesFileHandler propFileHandler;

    HashMap<String, String> data;

    @BeforeSuite

    public void preSetForTest() throws IOException {

        String file = "./TestData/data.properties";

        propFileHandler = new PropertiesFileHandler();

        data = propFileHandler.getPropertiesAsMap(file);

    }

    @BeforeMethod

    public void Initialization() {

        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();

    }*/

    @Test(testName = "ProductDeleteValidation")

    public void testCase13() throws IOException, InterruptedException, SQLException

```

```

{

String url = data.get("url");

String userName = data.get("uname");

String password = data.get("pwd");

String prodname=data.get("prodName");

String metatitle=data.get("metaTitle");

String modelName=data.get("modelName");

String gst=data.get("gstPercent");

String datapricevalues=data.get("dataPriceValues");

String splDiscountValue=data.get("specialDiscount");

String priceAfterSplDis=data.get("priceAfterSplDis");

String expectedSuccessfullMsg="Success: You have successfully deleted data";

String userUrl=data.get("userurl");


JavascriptExecutor jse = (JavascriptExecutor)driver;


driver.get(url);

AdminPage admin = new AdminPage(driver, wait);

admin.enterEmailAddress(userName);

admin.enterPassword(password);

admin.clickOnLogin();


ProductPage pp=new ProductPage(driver, wait);

pp.clickCatalog();

pp.clickProducts();

pp.clickAdd();

pp.sendValuesProductName(prodname);

pp.sendValuesMetaTitle(metatitle);

jse.executeScript("window.scrollTo(0, -document.body.scrollHeight);");

pp.clickData();

```

```

pp.sendValuesModel(modelname);
pp.sendGstValue(gst);
pp.sendDataPriceValue(datapricevalues);
pp.sendSplDiscountValue(splDiscountValue);
pp.sendPriceAfterSplDis(priceAfterSplDis);
jse.executeScript("window.scrollTo(0, -document.body.scrollHeight);");
pp.clickLink();
Thread.sleep(3000);
pp.selectTabsDropdown();
pp.selectCategories();
jse.executeScript("window.scrollTo(0, -document.body.scrollHeight);");
pp.clickImage();
Thread.sleep(4000);
pp.sendProductImage();
pp.clickSave();
pp.sendkeysSearch(prodname);
Thread.sleep(3000);
pp.actionTable();
pp.clickDelete();
pp.clickSweetAlert();
pp.confirmationDelete();
Thread.sleep(5000);
pp.verifyingSuccessMsg();
//Validating the success msg
Assert.assertTrue(pp.sucessfullmsg.contains(expectedSuccessfullMsg),"Assertion on
required field Message");
Reporter.log("Verified Successfull Message");

pp.IterateTableRow();
//Verifying the deleted product under the tab list.
if(pp.prodNames.contains(prodname))

```



```

{
    Reporter.log("Deleted Product Present in table");
}
else
{
    Reporter.log("Verified Deleted Product not Present in table");
}
//Verifying that deleted product is not present on the database
DBClass dbc=new DBClass();
dbc.tC013ProductNameDeletionValidation();
if(dbc.prodNameValidation.contains(prodname))
{
    Reporter.log("Deleted Product Present in DB");
}
else
{
    Reporter.log("Verified Deleted Product not Present in DB");
}
//Verifying the product is not listed on the user page
driver.get(userUrl);
UserPortalLoginPage uplp=new UserPortalLoginPage(driver, wait);
uplp.searchproduct(prodname);
uplp.clickSearchIcon();
uplp.searchresult();

if(uplp.resulttext.contains(prodname))
{
    Reporter.log("Deleted Product Present in UserPage");
}
else
{

```

```
Reporter.log("Verified Deleted Product not Present in UserPage");
```

```
}
```

```
}
```

```
}
```

Data.Properties

url=<https://atozgroceries.com/admin>

uname=demo@atozgroceries.com

pwd=456789

bannerName=[Pavithra](#)

producttitle=Products | [Admin](#) Panel - Powered By A&S

nName=[easyordering](#)

pushnotificationPageTitle=Push Notification | [Admin](#) Panel - Powered By A&S

returnStatusName=Return Status Name

weightClassText= Edit Weight Class

toolTipMessage=Please fill out this field.

userurl=<https://atozgroceries.com/>

searchProduct=[Bislery](#) Water

signUpFullName=[Pavithra](#)TSB

signUpPhNum=9454573789

password=[Pavithra](#)@1234

confirmPassword=[Pavithra](#)@1234

pushNotificationName=Test_[Pavithra](#)

pushNotificaionMessage=[Hi](#) new record added

pincodeNumber=7638932

EmailAddress=pavithra@gmail.com

Address=[Porur](#)

City=[Gurgaon](#)

pincode=538378

prodName=[Pepperseeds](#)

metaTitle=product is added

modelName=Fruits

gstPercent=5

dataPriceValues=70

specialDiscount=50

priceAfterSplDis=35

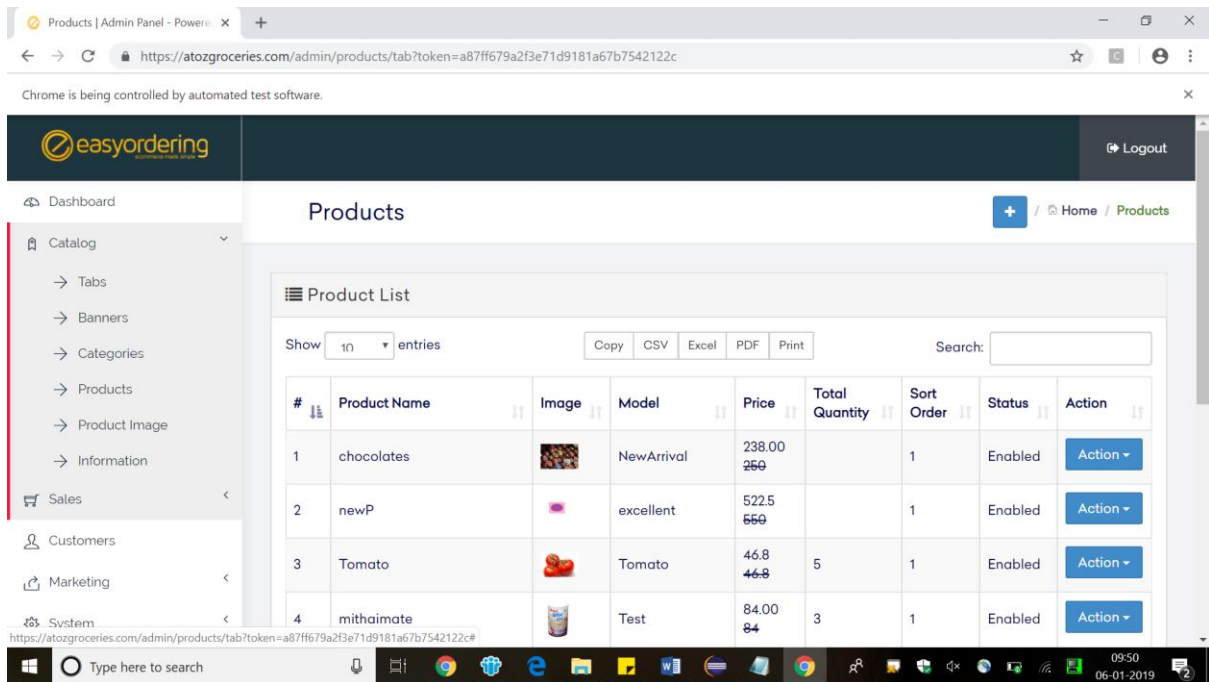
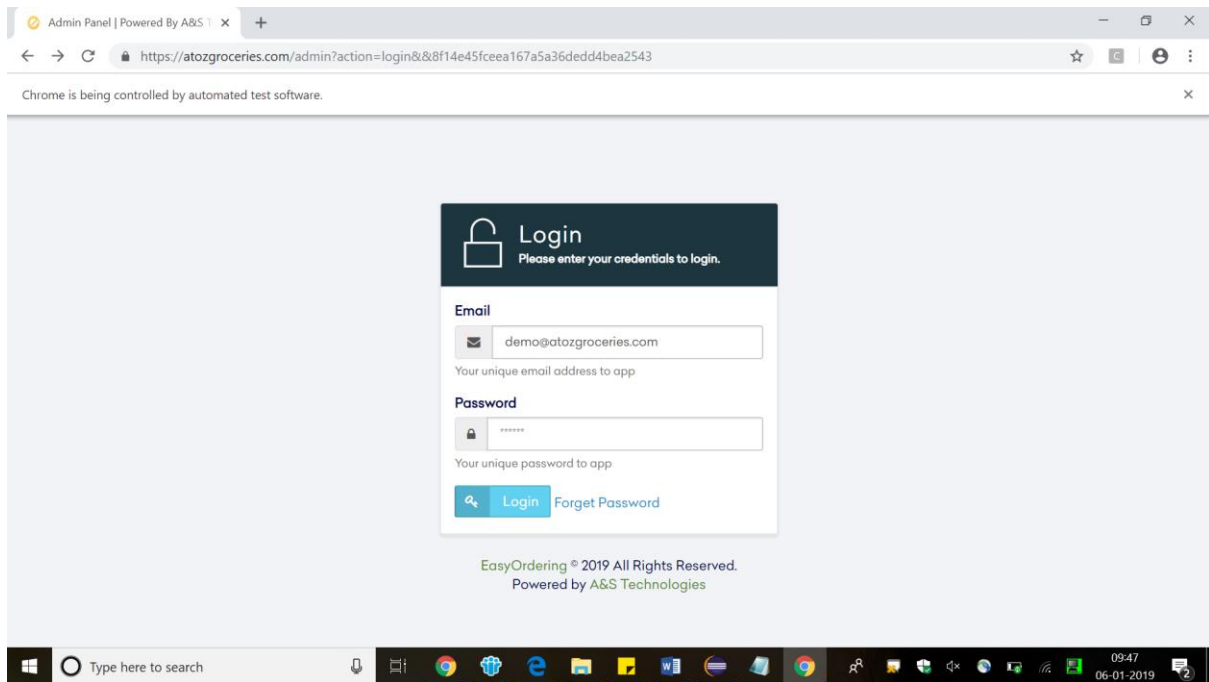
TestNG XML

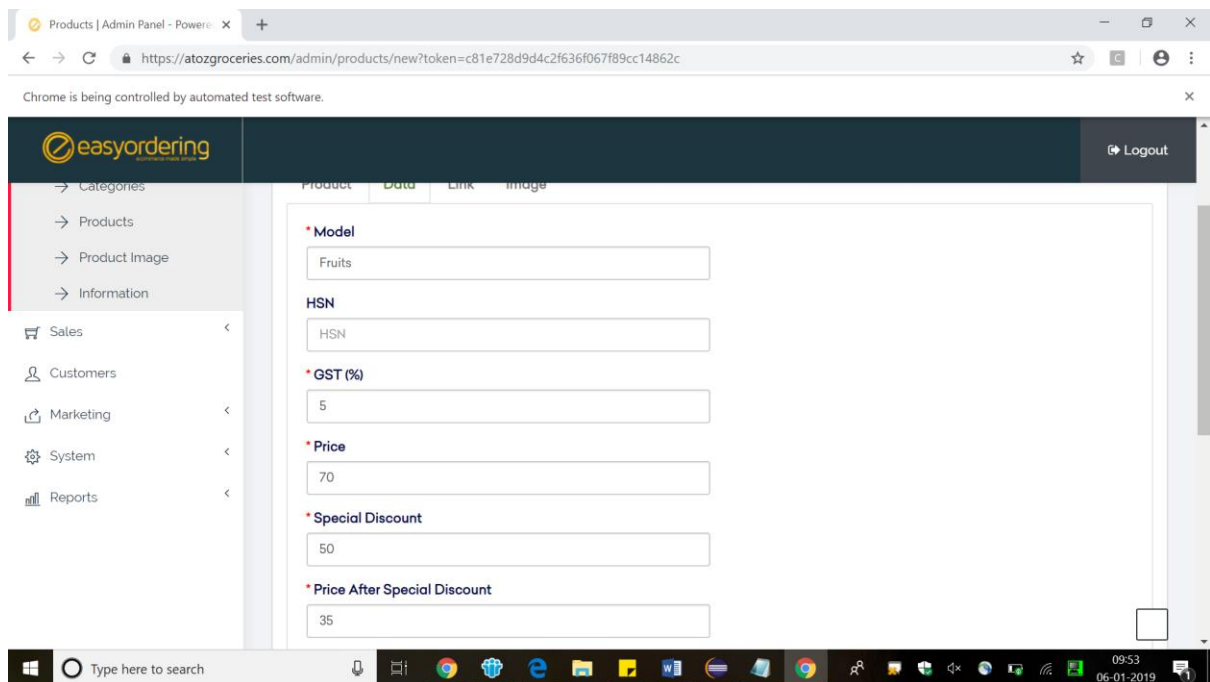
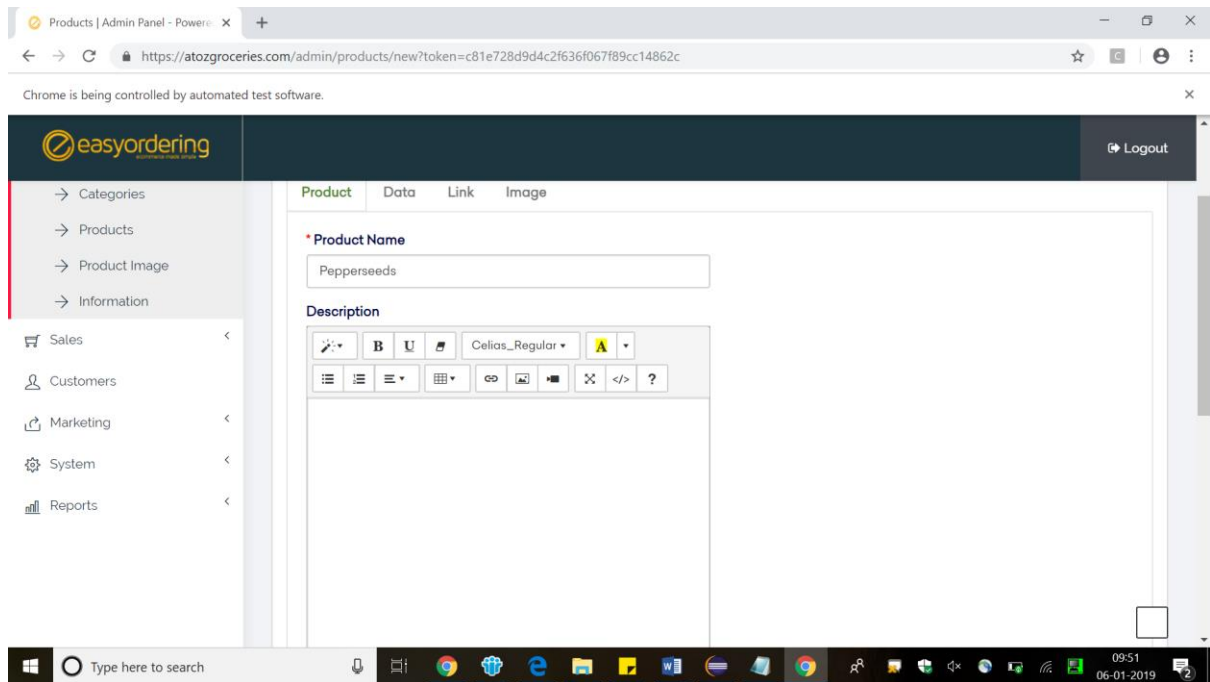
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite">
  <test thread-count="5" name="Test">
    <classes>
      <!-- <class name="com.ibm.test.BaseTest"/> -->
      <!-- <class name="com.ibm.test.TC001"/> -->
      <!-- <class name="com.ibm.test.TC002"/> -->
      <!-- <class name="com.ibm.test.TC003"/> -->
      <class name="com.ibm.test.TC013"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

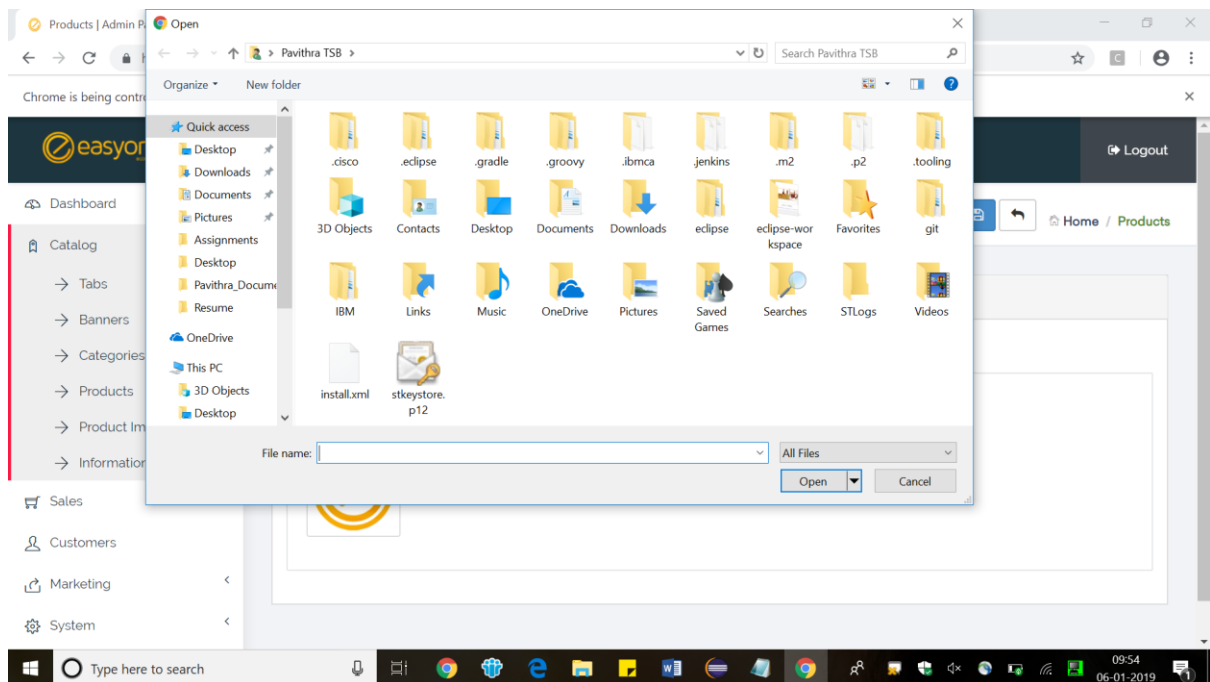
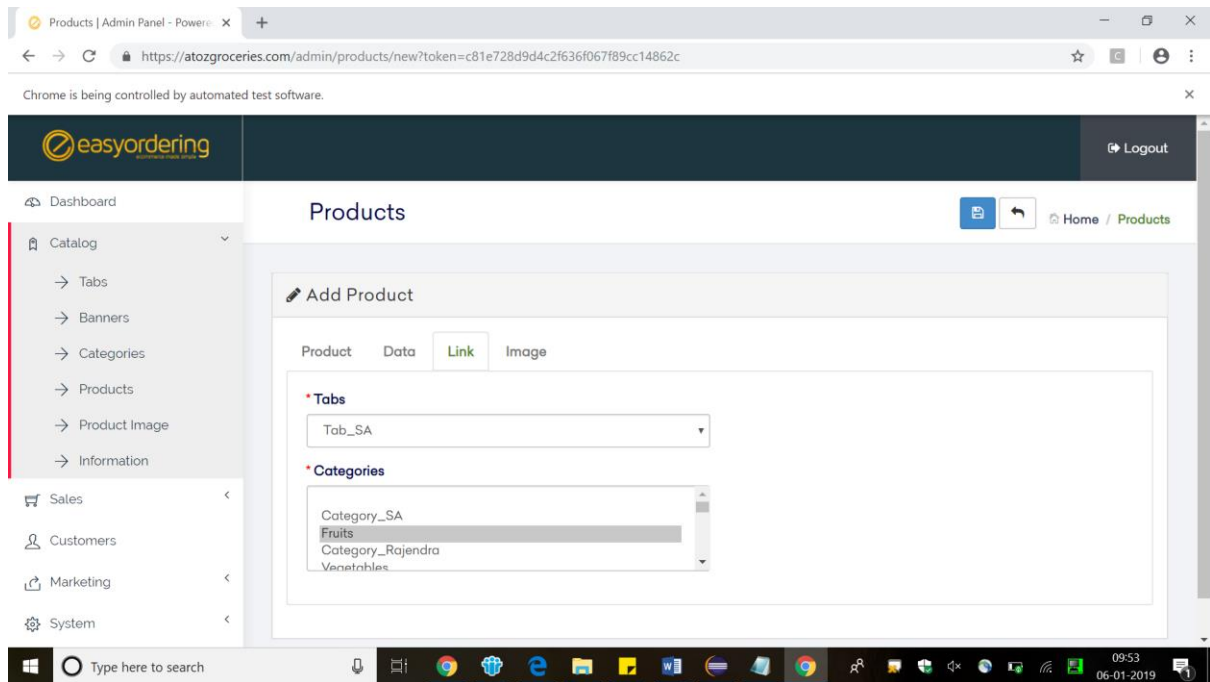
2.3 Explanation

1. Created a AdminPage, UserPortalLoginPage,ProductPage, DBClass using Page object model where implemented Page factory concept as well.
2. AdminLoginPage implemented the methods like uname ,pwd and login
3. ProductPage adding new product and deleting it and verifying that the product is not present on the table list also validating the successful deleted message.
4. UserPortalLoginPage verifying the deleted record is not present on the userpage.
- 4 Created DBClassPage to verify the deleted product is not available on the Database.
5. Asserting the value to ensure that the deleted product in no longer present anywhere.
6. Values are sending from data.properties file using hashmap concept key and value pair.
7. Creating object for all the pages and calling all the methods in TC013.java file where implementing @Test.
8. Converting the project into testng.xml to execute all the codes at one run.

2.4 Output








Products | Admin Panel - Powero x +

← → × <https://atozgroceries.com/admin/products/new?token=c81e728d9d4c2f636f067f89cc14862c> ☆

Chrome is being controlled by automated test software.



Logout

Dashboard

Catalog

- Tabs
- Banners
- Categories
- Products
- Product Image
- Information

Sales

Customers

Marketing

System


Products

Home / Products

Add Product

Product Data Link **Image**

Product Image Only JPG or PNG format allowed!



Waiting for atozgroceries.com...


Type here to search

09:54 06-01-2019

Products | Admin Panel - Powero x +

← → × <https://atozgroceries.com/admin/products/tab?token=c81e728d9d4c2f636f067f89cc14862c> ☆

Chrome is being controlled by automated test software.



Logout

→ Tabs

→ Banners

→ Categories

→ Products

→ Product Image

→ Information

Sales

Customers

Marketing





System

Reports

Success: You have successfully added product!

Product List

Show 10 entries Copy CSV Excel PDF Print Search:

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Pepperseeds		Fruits	36.75 72.5		1	Enabled	Action
2	chocolates		NewArrival	238.00 250		1	Enabled	Action
3	newP		excellent	522.5 550		1	Enabled	Action
4	Tomato		Tomato	46.8 46.8	5	1	Enabled	Action


Type here to search

09:54 06-01-2019

Products | Admin Panel - Powero x +

← → ↻ https://atozgroceries.com/admin/products/tab?token=c81e728d9d4c2f636f067f89cc14862c

Chrome is being controlled by automated test software.


Logout

- Catalog
 - Tabs
 - Banners
 - Categories
 - Products
 - Product Image
 - Information
- Sales
- Customers
- Marketing
- System
- Reports

Success: You have successfully added product!

Product List

Show 10 entries Copy CSV Excel PDF Print Search:

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Pepperseeds		Fruits	36.75 73.5		1	Enabled	Action

Previous 1 Next

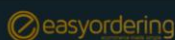
Type here to search

09:55 06-01-2019

Products | Admin Panel - Powero x +

← → ↻ https://atozgroceries.com/admin/products/tab?token=c81e728d9d4c2f636f067f89cc14862c

Chrome is being controlled by automated test software.


Logout

- Catalog
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- Reports

Success

Product List


Show 10 entries Copy CSV Excel PDF Print Search:

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Pepperseeds		Fruits	36.75 73.5		1	Enabled	Action

Previous 1 Next

Type here to search

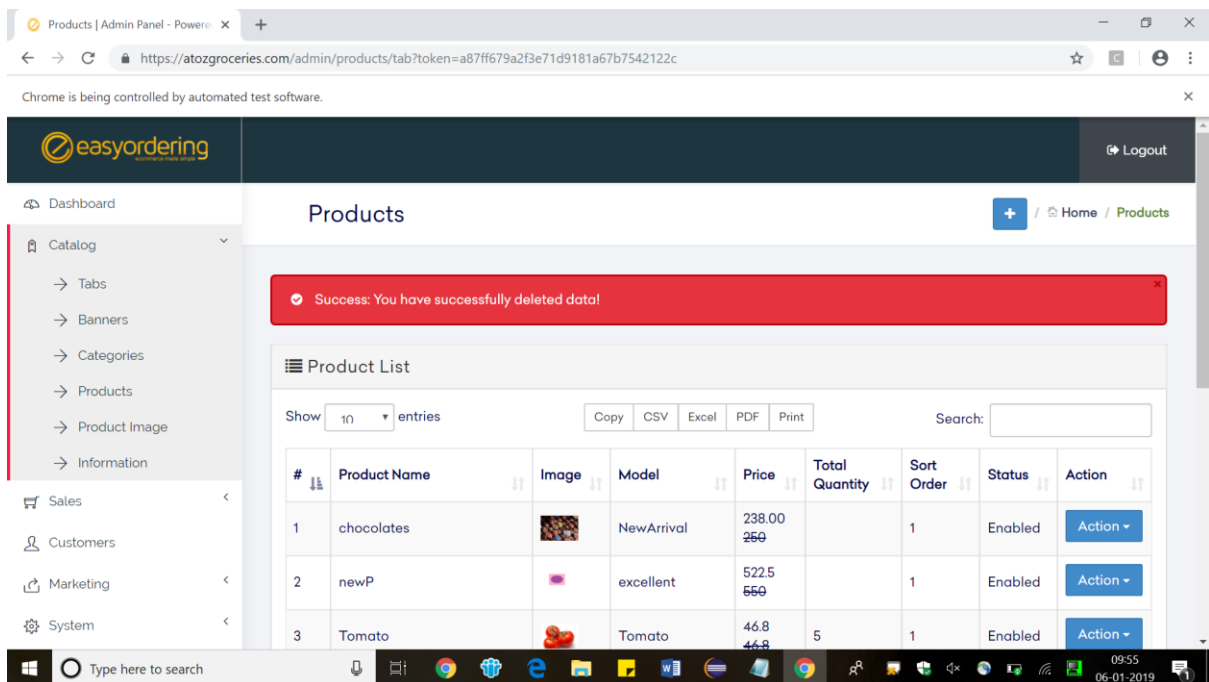
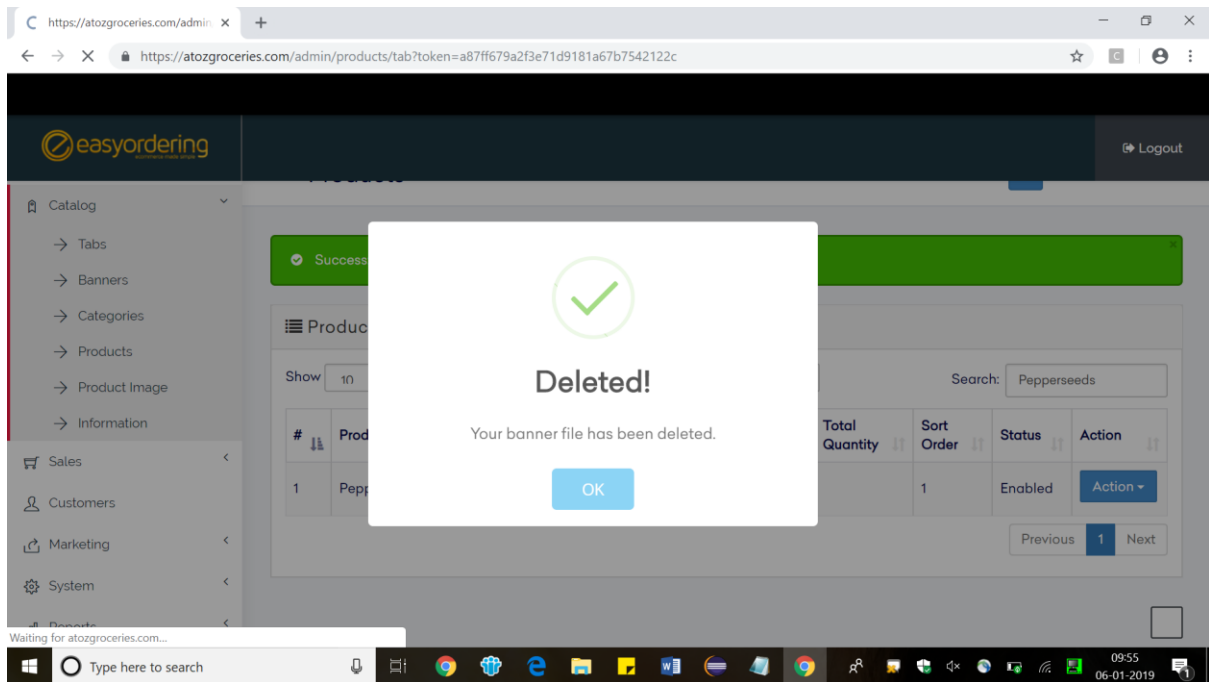
09:55 06-01-2019

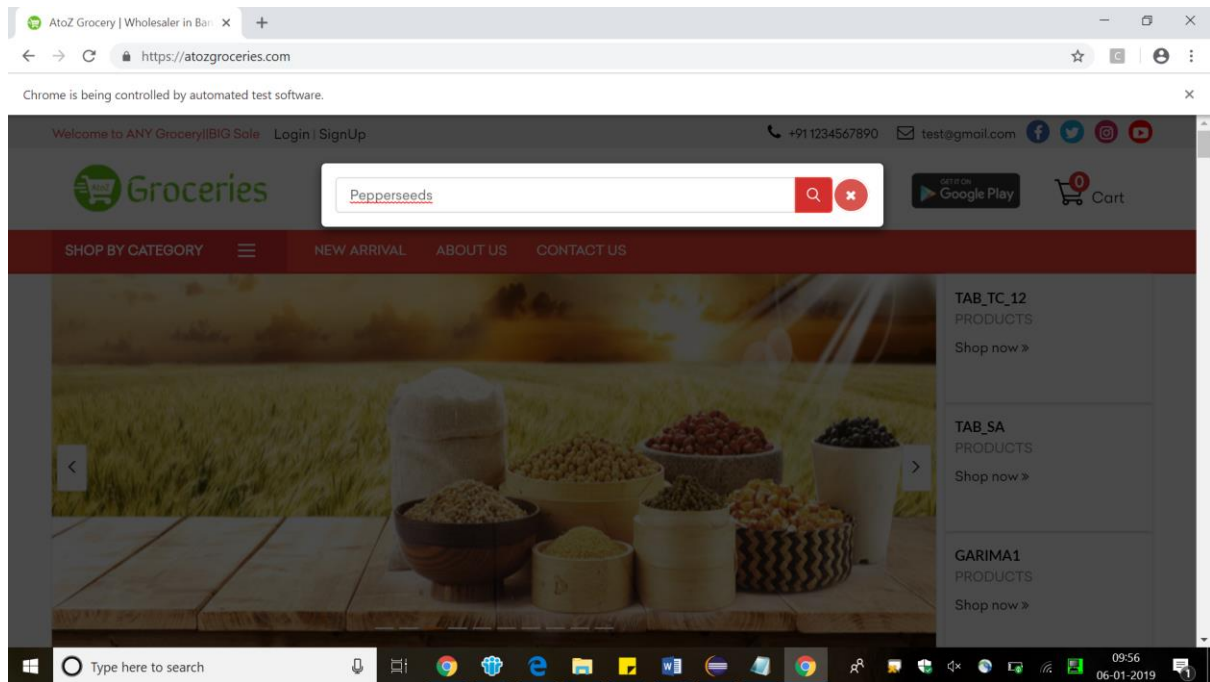


Are you sure?

You want to delete this product!

Cancel Yes, delete it!





[RemoteTestNG] detected TestNG version 6.14.2

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 10006

Only local connections are allowed.

Jan 06, 2019 9:58:29 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

Success: You have successfully deleted data!

x

chocolates

newP

Tomato

mithaimate

Badam-p01

Fresh Badham

New Prod Req

Cashew-Harisha

Basmathi Rice

NewTest(working on this)

Apsara toor dall 50kg

search start

Results found in User Page

=====

Suite

Total tests run: 1, Failures: 0, Skips: 0

=====

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
Default test	1	0	0	199,529		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC013	testCase13	1546746935258	193743

Default test

com.ibm.test.TC013#testCase13

Messages
Verified Successfull Message Verified Deleted Product not Present in table Verified Deleted Product not Present in DB Verified Deleted Product not Present in UserPage