

Process	Steps To Execute	Expected Results
Add a new Product	1. Login to admin portal 2. Add a new product by filling only the mandatory fields. Note: You have to fill the details under PRODUCT, DATA, LINK, IMAGE	Validate the presence of the added product

Solution: **This Product page have some bug which is described on below section.**

I have created one new java as "ProductPage".

```
package com.ibm.pages;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.util.Properties;

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

public class ProductPage {

    WebDriver driver;
    WebDriverWait wait;

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

    //WebElement for link Catalog
    @FindBy(xpath="//a[contains(text(),'Catalog')]")
    WebElement catalogEle;

    //WebElement for link Products
    @FindBy(xpath="//a[contains(text(),'Products')]")
    WebElement prodEle;

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

    //WebElement for field Product Name
    @FindBy(xpath="//input[@id='pro_name']")
```

```

        WebElement pnameEle;

//WebElement for field Meta Title
        @FindBy(xpath="//input[@id='meta_title']")
        WebElement mtitleEle;

//WebElement for tab Data
        @FindBy(xpath="//a[text()='Data']")
        WebElement datatabEle;

//WebElement for field Model
        @FindBy(xpath="//input[@id='model']")
        WebElement modelEle;

//WebElement for field GST
        @FindBy(xpath="//input[@id='gst']")
        WebElement gstEle;

//WebElement for field Price
        @FindBy(xpath="//input[@id='price']")
        WebElement priceEle;

//WebElement for field Special Discount
        @FindBy(xpath="//input[@id='special_dis']")
        WebElement spdisEle;

//WebElement for field Price After Special Discount
        @FindBy(xpath="//input[@id='price_after_special_dis']")
        WebElement dispriceEle;

//WebElement for tab Link
        @FindBy(xpath="//a[text()='Link']")
        WebElement linktabEle;

//WebElement for drop down Tabs
        @FindBy(xpath="//select[@id='tabs']")
        WebElement tabsddEle;

//WebElement for drop down Categories
        @FindBy(xpath="//select[@id='categories']/option[4]")
        WebElement catEle;

//WebElement for tab Image
        @FindBy(xpath="//a[text()='Image']")
        WebElement imageEle;

//WebElement for icon Product Image
        @FindBy(xpath="//input[@id='pro_image']")
        WebElement pimageEle;

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

        public void clickLinkCatalog()

```

```
{
    catalogEle.click();
}

public void clickOnLinkProducts()
{
    prodEle.click();
}

public void clickOnIconAddNew()
{
    addnewEle.click();
}

public void enterProductName(String productname)
{
    pnameEle.sendKeys(productname);
}

public void enterMetaTitle(String metatitle)
{
    mtitleEle.sendKeys(metatitle);
}

public void clickOnTabData()
{
    datatabEle.click();
}

public void enterModel(String model)
{
    modelEle.sendKeys(model);
}

public void enterGST(String gst)
{
    gstEle.clear();
    gstEle.sendKeys(gst);
}

public void enterPrice(String price)
{
    priceEle.sendKeys(price);
}

public void enterSplDiscount(String specialdiscount)
{
    spdisEle.sendKeys(specialdiscount);
}

public void enterDiscountPrice(String discountprice)
{
    dispriceEle.sendKeys(discountprice);
}
```

```

public void clickOnTabLink()
{
    linktabEle.click();
}

public void selectFromTabs()
{
    tabsddEle.click();
    Select tabsEle = new Select(tabsddEle);
    tabsEle.selectByVisibleText("Test01");
}

public void selectCategories()
{
    catEle.click();
}

public void clickOnTabImage()
{
    imageEle.click();
}

public void enterImage(String imagepath)
{
    pimageEle.sendKeys(imagepath);
}

public void clickOnIconSave()
{
    saveEle.click();
}

public void validationOnRecord() throws FileNotFoundException,
IOException
{
    Properties p = new Properties();
    p.load(new
FileInputStream("./TestData/magentodata.properties"));

    String pagesource = driver.getPageSource();
    //System.out.println(pagesource);

    if(pagesource.contains(p.getProperty("productname"))) {
        System.out.println("The presence of added product is
confirmed!");
    }
    else {
        System.out.println("The product is not added to the
Product List");
    }
}
}

```

I have used existing "Login.java" file.

```
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.PageFactory;

public class LoginPage {

    @FindBy(name="email")
    WebElement emailEle;

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

    @FindBy(xpath="//span[@class='btn-label']")
    WebElement loginEle;

    public LoginPage(WebDriver driver) {
        PageFactory.initElements(driver, this);
    }

    public void enterEmailAddress(String email)
```

```
        {  
            emailEle.sendKeys(email);  
        }  
  
        public void enterPassword(String password)  
        {  
            passEle.sendKeys(password);  
        }  
  
        public void clickOnLogin()  
        {  
            loginEle.click();  
        }  
    }  
}
```

I have edited existing “BaseTest.java” file.

```
package com.ibm.test;  
  
import java.io.IOException;  
import java.util.HashMap;  
import java.util.concurrent.TimeUnit;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.support.ui.WebDriverWait;  
import org.testng.annotations.Test;
```

```
import com.ibm.pages.AdminPage;

import com.ibm.pages.BannerPage;

import com.ibm.pages.CouponPage;

import com.ibm.pages.LoginPage;

import com.ibm.pages.ProductPage;

import com.ibm.utilities.PropertiesFileHandler;


import junit.framework.Assert;


public class BaseTest {

    @Test

    public void login() throws IOException, InterruptedException

    {

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


        PropertiesFileHandler propFileHandler = new PropertiesFileHandler();

        HashMap<String, String> data= propFileHandler.getPropertiesAsMap(file);


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

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

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

        String expectedTitle = data.get("expectedtitle");

        /*String couponname = data.get("couponname");

        String code = data.get("code");
```

```
String discount = data.get("discount");

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

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

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

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

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

String expectedcouponmessage = data.get("expectedcouponmessage");*/

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

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

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

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

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

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

//String discountprice = data.get("discountprice");

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


System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");

WebDriver driver = new ChromeDriver();

WebDriverWait wait=new WebDriverWait(driver, 60);

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

driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);

driver.get(url);


LoginPage login = new LoginPage(driver);

login.enterEmailAddress(email);
```



```
login.enterPassword(password);

login.clickOnLogin();


AdminPage apage=new AdminPage(driver, wait);

String actualTitle=apage.getCurrentTitle();


if(actualTitle.equals(expectedTitle))
{
    System.out.println("Test Passed");
    propFileHandler.setKeyAndValue(file, "TestResult", "Test Passed");
}
else
{
    System.out.println("Test failed");
    propFileHandler.setKeyAndValue(file, "TestResult", "Test Failed");
}


/*BannerPage bpage=new BannerPage(driver, wait);
bpage.addBanner();*/


/*CouponPage coupon = new CouponPage(driver);
coupon.clickOnLinkMarketing();
coupon.clickOnLinkCoupons();
coupon.clickOnIconAddNew();
coupon.enterCode(code);
```

```
coupon.clickOnType();  
coupon.enterDiscount(discount);  
coupon.enterAmount(amount);  
coupon.enterStartDate(startdate);  
coupon.enterEndDate(enddate);  
coupon.enterUsesPerCoupon(usespercoupon);  
coupon.enterUsesPerCustomer(usespercustomer);  
coupon.clickOnStatus();  
coupon.enterCouponName(couponname);  
coupon.clickOnIconSave();  
Thread.sleep(5000);  
coupon.validationOnRecord();*/
```

```
ProductPage pp = new ProductPage(driver, wait);  
pp.clickLinkCatalog();  
pp.clickOnLinkProducts();  
pp.clickOnIconAddNew();  
pp.enterMetaTitle(metatitle);  
pp.enterProductName(productname);  
pp.clickOnTabData();  
pp.enterModel(model);  
pp.enterGST(gst);  
pp.enterPrice(price);  
pp.enterSplDiscount(specialdiscount);  
//pp.enterDiscountPrice(discountprice);
```

```
        pp.clickOnTabLink();

        pp.selectFromTabs();

        pp.selectCategories();

        pp.clickOnTabImage();

        pp.enterImage(imagepath);

        pp.clickOnIconSave();

        Thread.sleep(5000);

        pp.validationOnRecord();


        apage.clickOnLogOut();


        driver.close();


//excel data using dataprovider

//run and check

//sends data in excel one by one

/*@Test(dataProvider = "data")
public void testcase2(String user, String pwd){

        System.out.println(user);

        System.out.println(pwd);

}

@DataProvider(name="data")
public Object[][] data() throws IOException {

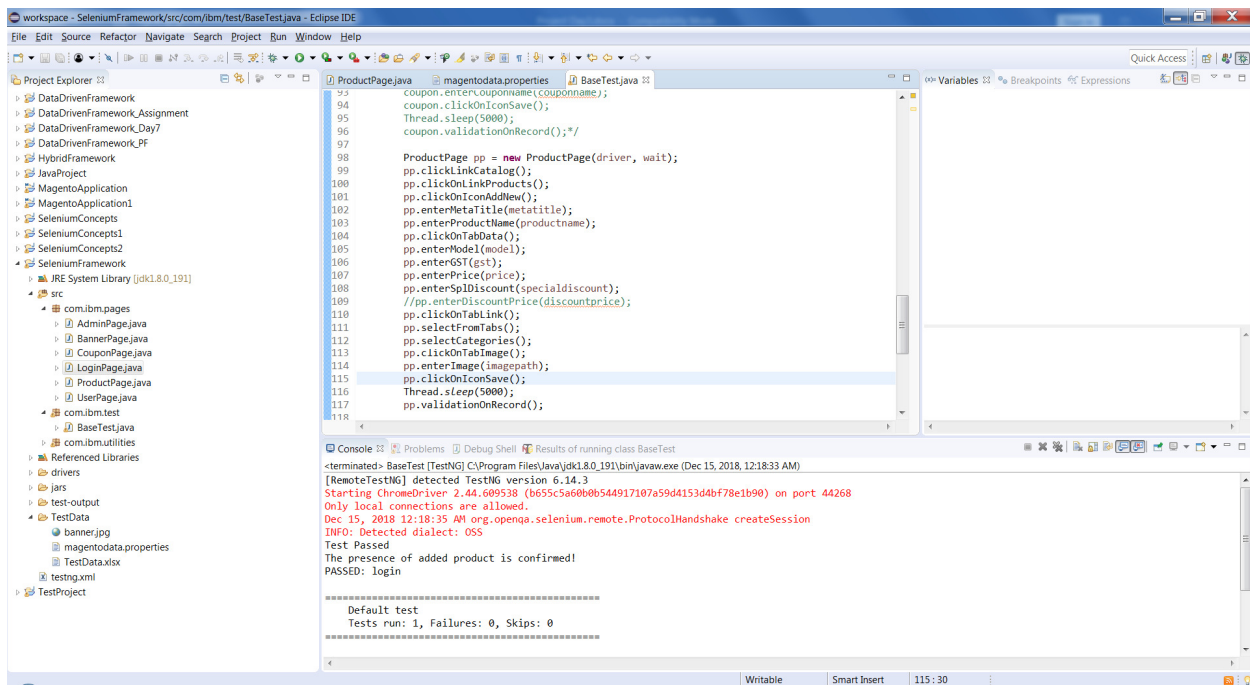
        return ExcelUtil.DataTable("./TestData/TestData.xlsx","LoginData");
```

```
}*/  
  
}  
  
}
```

Also updated file "magentodata.properties".

```
#Test Result  
#Sat Dec 15 00:18:38 IST 2018  
discountprice=950  
productname=Product_Rajendra  
code=ABC123  
password=456789  
couponname=Coupon_Rajendra  
discount=15  
model=Model_Rajendra  
metatitle=MetaTitle_Rajendra  
imagepath=C:\\Users\\IBM_ADMIN\\Documents\\Training\\Selenium\\Proj  
Day1\\SeleniumFramework\\TestData\\banner.jpg  
url=http://atozgroceries.com/admin/  
TestResult=Test Passed  
usespercoupon=1  
amount=1000  
expectedbannermessage=Success\\: You have successfully added banner\\!  
enddate=12/30/2018  
email=demo@atozgroceries.com  
gst=8  
usespercustomer=1  
price=100  
bannername=Banner_Rajendra  
specialdiscount=5  
sortorder=1  
expectedcouponmessage=Success\\: You have successfully added new coupon\\!  
startdate=12/20/2018  
expectedtitle=Dashboard | Admin Panel - Powered By A&S
```

The output of Eclipse console:



[RemoteTestNG] detected TestNG version 6.14.3

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 44268

Only local connections are allowed.

Dec 15, 2018 12:18:35 AM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: OSS

Test Passed

The presence of added product is confirmed!

PASSED: login

```
=====
      Default test
      Tests run: 1, Failures: 0, Skips: 0
=====
```

```
=====
Default suite
Total tests run: 1, Failures: 0, Skips: 0
=====
```

Screenshot of Webpage after adding the Product.

Products | Admin Panel - Power: x

https://atozgroceries.com/admin/products/tab?token=45c48cce2e2d7fbdea1afc51c7c6ad26

Chrome is being controlled by automated test software.

easyordering Logout

Dashboard

Catalog

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

Sales

Customers

Marketing

System

Reports

Products

+ / Home / Products

Success: You have successfully added product!

Product List

Show 1n entries

Copy CSV Excel PDF Print

Search:

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Product_Rajendra		Model_Rajendra	102.6 108		1	Enabled	Action
2	dynamic pepper 1kg fine		good quality	462.00 462		1	Enabled	Action
3	dynamic kismis medium 1kg		good quality	262.5 262.5	10	1	Enabled	Action
4	dynamic kismis fine 1kg		good quality	304.5 304.5	50	1	Enabled	Action
5	dynamic cashew 2 piece 1kg		good quality	840.00 840		1	Enabled	Action
6	dynamic Pista 1kg		good quality	1102.5 53.5		1	Enabled	Action

Observation:

1. The loading of Product page is very slow.
2. The display of Price is not correct. For this record I have entered Price as 100(refer .properties file where price=100). After saving the record the price display as 108. On selecting the edit option for that particular record, the price is showing as 100. Refer below screen shot:

Products | Admin Panel - Power: x

https://atozgroceries.com/admin/products/tab?token=45c48cce2e2d7fbdea1afc51c7c6ad26

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+ / Home / Products

Success: You have successfully added product!

Product List

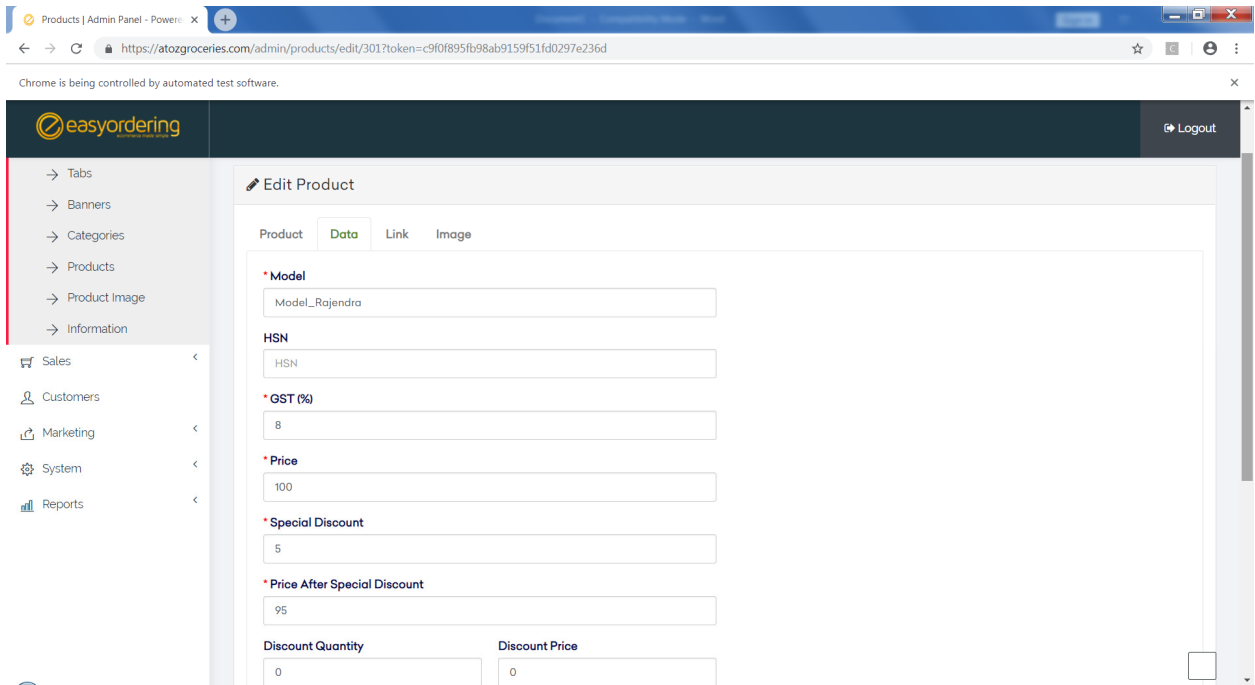
Show 1n entries

Copy CSV Excel PDF Print

Search:

#	Product Name	Image	Model	Price	Total Quantity	Sort Order	Status	Action
1	Product_Rajendra		Model_Rajendra	102.6 108		1	Enabled	Action
2	dynamic pepper 1kg fine		good quality	462.00 462		1	Enabled	Edit Delete
3	dynamic kismis medium 1kg		good quality	262.5 262.5	10	1	Enabled	Action
4	dynamic kismis fine 1kg		good quality	304.5 304.5	50	1	Enabled	Action
5	dynamic cashew 2 piece 1kg		good quality	840.00 840		1	Enabled	Action
6	dynamic Pista 1kg		good quality	1102.5 53.5		1	Enabled	Action

https://atozgroceries.com/admin/products/edit/301?token=c90f895f98ab9159f51fd0297e236d



- When 4digit figure is entered for Price then the display of Price after saving the Product is bit weird. It is displaying as 10,27,026.00 81 while editing the record the price display 1000.

