2.1 Requirement TC02

Test Cases	Process	Steps To Execute	Expected Results
TC02	Edit a Product	1. Login to admin portal 2. Edit product 3. Do not fill the mandatory fields and check	Click the save icon and verify it is on the same page. Negative test case validation

2.2 Coding

AdminPage.java

```
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.java

```
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 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="//table[@id='dataTableExample2']/tbody/tr[2]/td[9]")W
ebElement table;

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

	WebDriverWait wait;

	WebDriver driver;


	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 actionTable()

	{

		table.click();

	}

	public void clickEdit()

	{
```

```
		edit.click();
	}
}
```

EditProductPage.java

```
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 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="//table[@id='dataTableExample2']/tbody/tr[2]/td[9]")W
ebElement table;
	@FindBy(how=How.LINK_TEXT,using="Edit")WebElement edit;
	WebDriverWait wait;
	WebDriver driver;

	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 actionTable()
	{
		table.click();
	}
	public void clickEdit()
	{
		edit.click();
	}
}
```

TC002.java

```
package com.ibm.test;

import java.io.IOException;
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.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;
import com.ibm.pages.EditProductPage;
import com.ibm.pages.ProductPage;
import com.ibm.utilities.PropertiesFileHandler;

public class TC002 {

	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(priority = 1, testName = "ValidatingModifiedRowPresence")
public void testCase2() throws IOException {


		try {
			String url = data.get("url");
			String userName = data.get("uname");
			String password = data.get("pwd");
			String negativeValidation=data.get("title");
			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.actionTable();
			pp.clickEdit();

			EditProductPage epp = new EditProductPage(driver, wait);
```

```
                epp.removeProductName();

                epp.clickSave();

                String pagetitle = epp.getPagetitleForNegativeValidation();



                Assert.assertTrue(pagetitle.equals(negativeValidation), "Assertion
on negative validation");


                Reporter.log("Verified it is on the same page");

            } catch (Exception e) {

                System.out.println(e.getMessage());

                Reporter.log("Verified it is not on the same page");

                //screenshot

                //throw e;

                Assert.fail();

            }

        }

}
```

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"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

Data.Properties

```
url=https://atozgroceries.com/admin
uname=demo@atozgroceries.com
pwd=456789
bannerName=Pavithra
title=Products | Admin Panel - Powered By A&S
```

2.3 Explanation of the Code

1. 1. Created a AdminLoginpage,ProductPage and EditProductPage using Page object model where implemented Page factory concept as well.

2.AdminLoginPage implemented the methods like uname,pwd and login

3.ProductPage clicking on catalog and product tabs and navigating to the table. Navigating to the rows and clicked on edit button under the action tab.

4.EditProductPage clearing the existing name using clear() method and clicking on save without filling mandatory field.

6.Assert the page title to verify whether it is remains on the same page.

7.Values are sending from data.properties file using hashmap concept key and value pair.

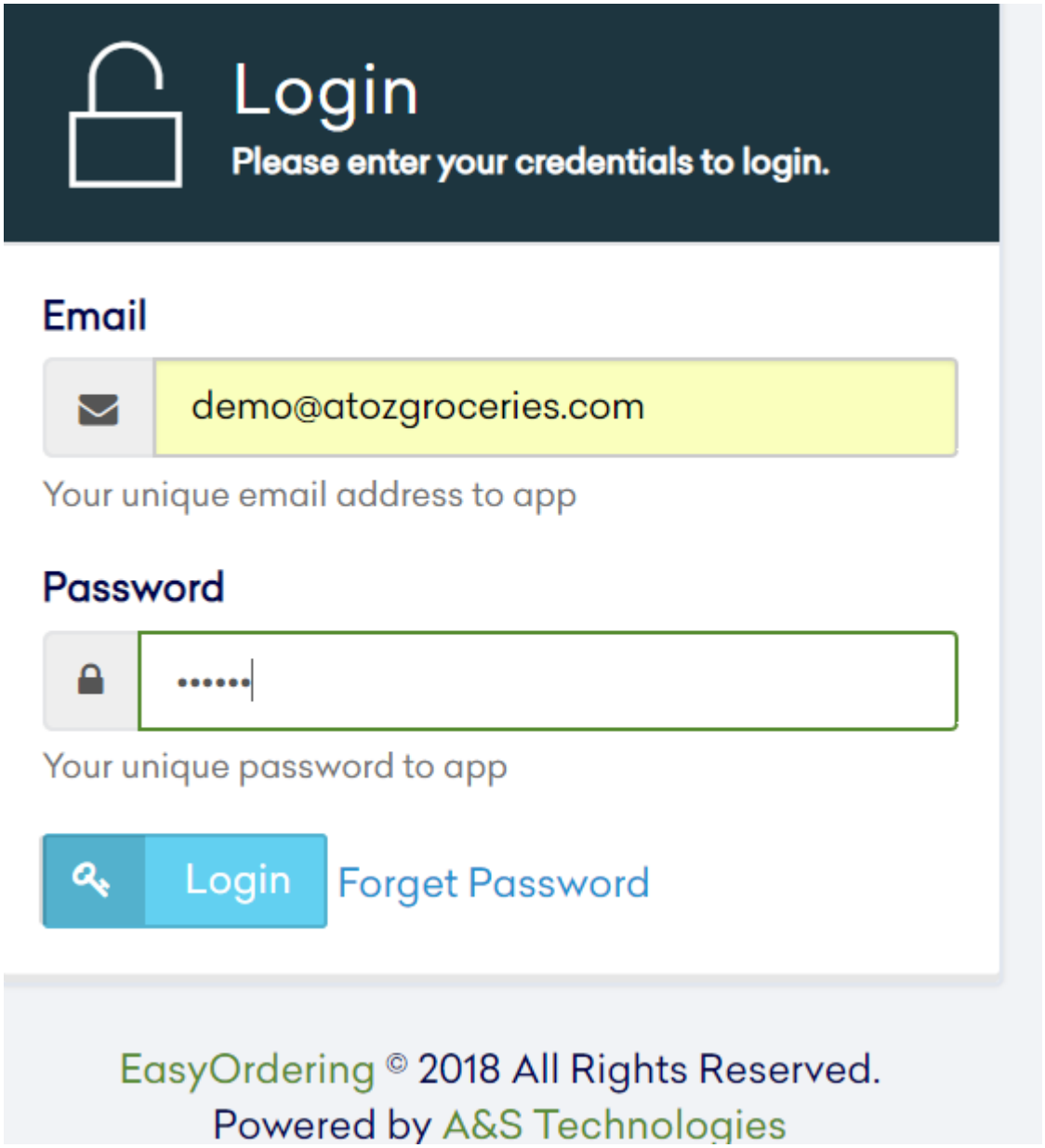
8.Creating object for all the pages and calling all the methods in TC002.java file where implementing @Test.

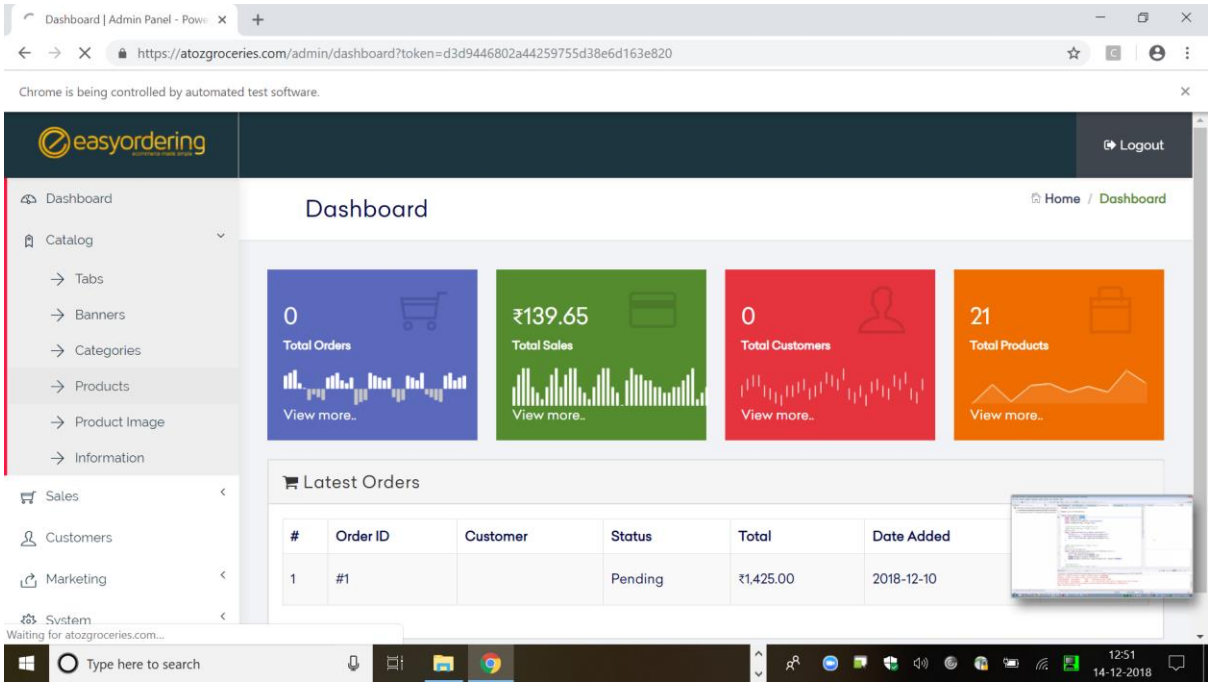
9.Converting the project into testng.xml to execute all the codes at one run.

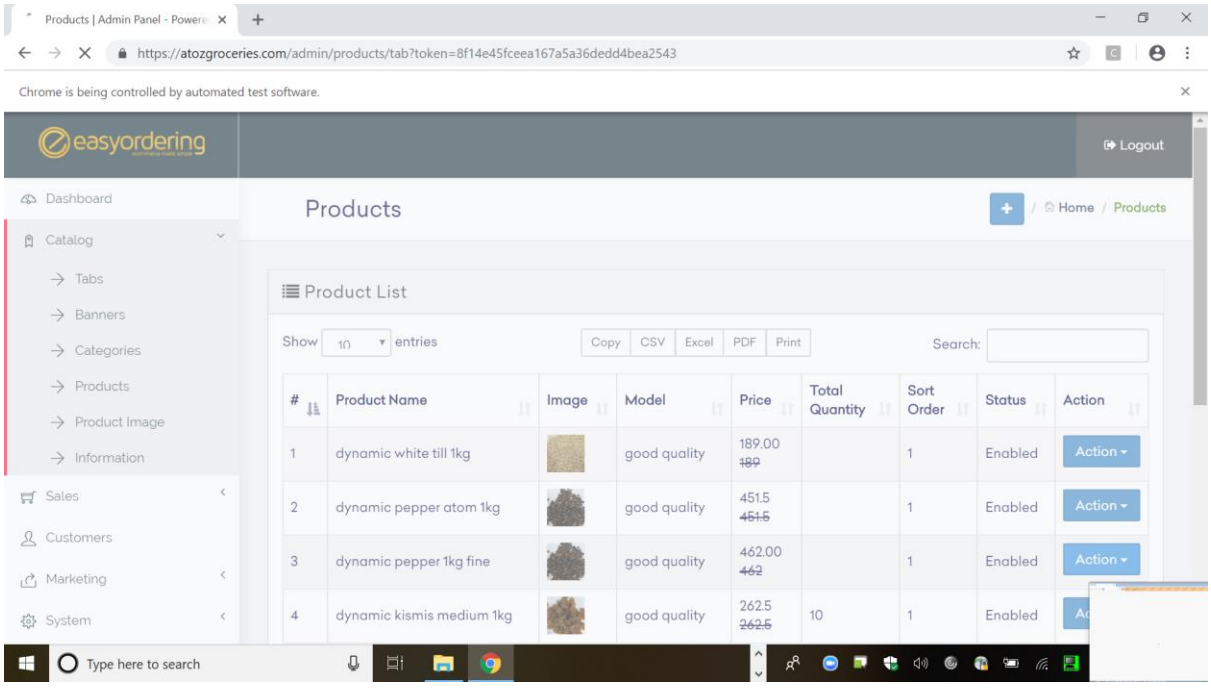
10.Finally attaching the result in htmlreporter.

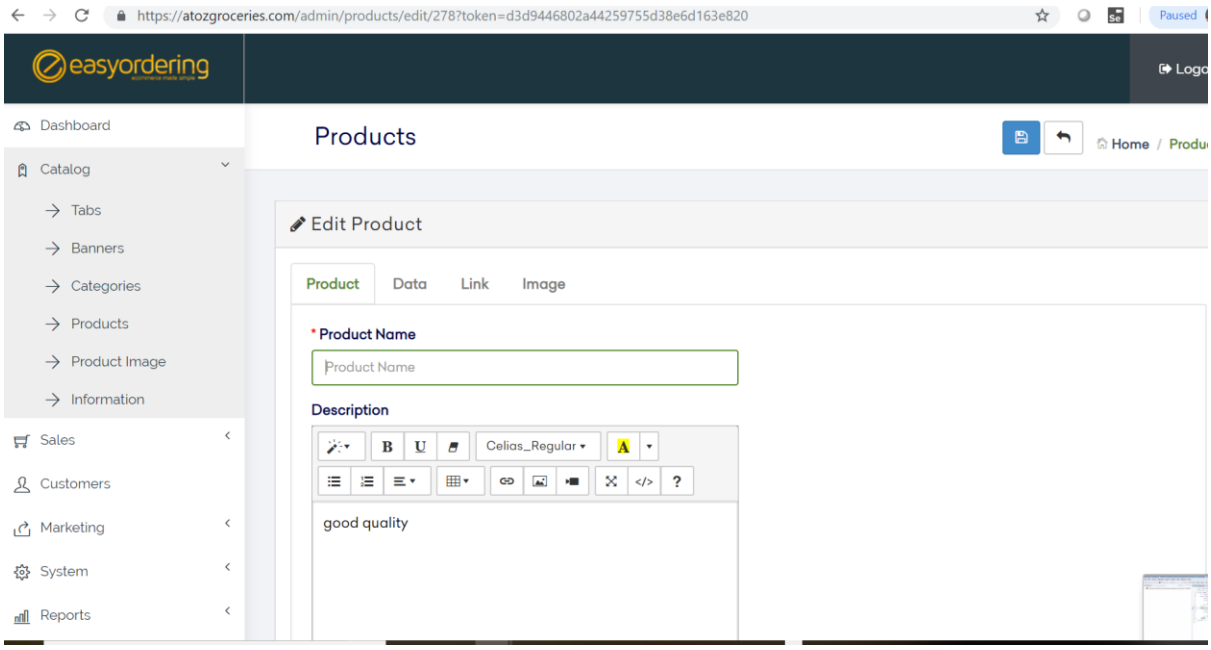
2.4 Output

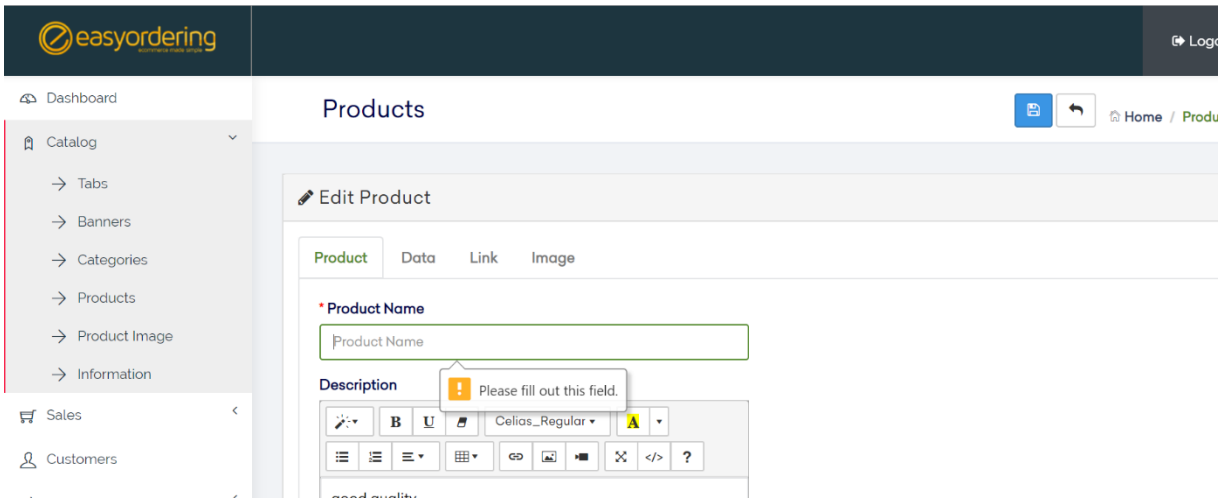
```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 14005
Only local connections are allowed.
Dec 14, 2018 12:27:49 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: OSS

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


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 | Admin Panel - Powe
https://atozgroceries.com/admin/dashboard?token=d3d9446802a44259755d38e6d163e820
Chrome is being controlled by automated test software.
easyordering
Logout
Dashboard
Catalog
Tabs
Banners
Categories
Products
Product Image
Information
Sales
Customers
Marketing
System
Dashboard
Home / Dashboard
0
Total Orders
View more..
₹139.65
Total Sales
View more..
0
Total Customers
View more..
21
Total Products
View more..
Latest Orders
Order ID Customer Status Total Date Added
1 #1 Pending ₹1,425.00 2018-12-10
Waiting for atozgroceries.com...
Type here to search
12:51
14-12-2018


Products | Admin Panel - Powere
https://atozgroceries.com/admin/products/tab?token=8f14e45fceea167a5a36dedd4bea2543
Chrome is being controlled by automated test software.
easyordering
Logout
Dashboard
Catalog
Tabs
Banners
Categories
Products
Product Image
Information
Sales
Customers
Marketing
System
Products
Home / Products
Product List
Show 10 entries
Copy CSV Excel PDF Print
Search:
Product Name Image Model Price Total Quantity Sort Order Status Action
1 dynamic white till 1kg good quality 189.00 189 1 Enabled Action
2 dynamic pepper atom 1kg good quality 451.5 451.5 1 Enabled Action
3 dynamic pepper 1kg fine good quality 462.00 462 1 Enabled Action
4 dynamic kismis medium 1kg good quality 262.5 262.5 10 1 Enabled
Type here to search


https://atozgroceries.com/admin/products/edit/278?token=d3d9446802a44259755d38e6d163e820
easyordering
Dashboard
Catalog
Tabs
Banners
Categories
Products
Product Image
Information
Sales
Customers
Marketing
System
Reports
Products
Home / Produ
Edit Product
Product
Data
Link
Image
* Product Name
Product Name
Description
Celias_Regular
good quality


easyordering
Dashboard
Catalog
Tabs
Banners
Categories
Products
Product Image
Information
Sales
Customers
Products
Home / Produ
Edit Product
Product
Data
Link
Image
* Product Name
Product Name
Please fill out this field.
Description
Celias_Regular

file:///C:/Users/PavithraTSB/eclipse-workspace/SeleniumFrameAG/test-output/emailable-report.html

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	65,052		

Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.TC002	testCase2	1544772156674	59557

Test

com.ibm.test.TC002#testCase2

Messages
Verified it is on the same page

back to summary