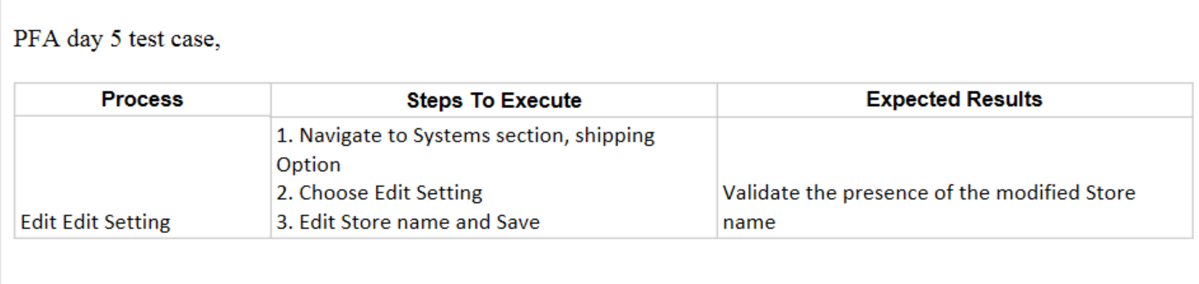
Test Case Day 5



PFA day 5 test case,

Process	Steps To Execute	Expected Results
Edit Edit Setting	1. Navigate to Systems section, shipping Option 2. Choose Edit Setting 3. Edit Store name and Save	Validate the presence of the modified Store name

BaseTest.Java Program

```
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();

    }


    @Test(priority=5)
        public void editSystemTestCase() throws IOException,
InterruptedException
        {
            //using data from property file
                    String url = data.get("url");
                    String userName=data.get("username");
                    String passWord=data.get("password");
                    String
editStoreNameMsg=data.get("editStoreNameMsg");
                    String newStoreName=data.get("newStoreName");

                    driver.get(url);

                    AdminPage adminPage=new AdminPage(driver, wait);
                    adminPage.enterEmail(userName);
                    adminPage.enterPassword(passWord);

                    adminPage.CaptureScreenshot(driver);

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

                    adminPage.ClickOnSystem();

                    adminPage.ClickOnShipping();
                    adminPage.CaptureScreenshot(driver);

                    adminPage.ClickOnSettings();
                    adminPage.CaptureScreenshot(driver);

                    adminPage.StoreNameEdit(newStoreName);
                    adminPage.CaptureScreenshot(driver);

                    adminPage.ClickOnSaveButtonInSettings();
                    adminPage.CaptureScreenshot(driver);

                    Thread.sleep(2000);
                    adminPage.SuccessMsgTest(editStoreNameMsg);
```

```
                }
}
```

AdminPage.Java program

```
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.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.Test;

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="//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();
	}

	//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']/tbody/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");

    }

}
```

Data.properties file

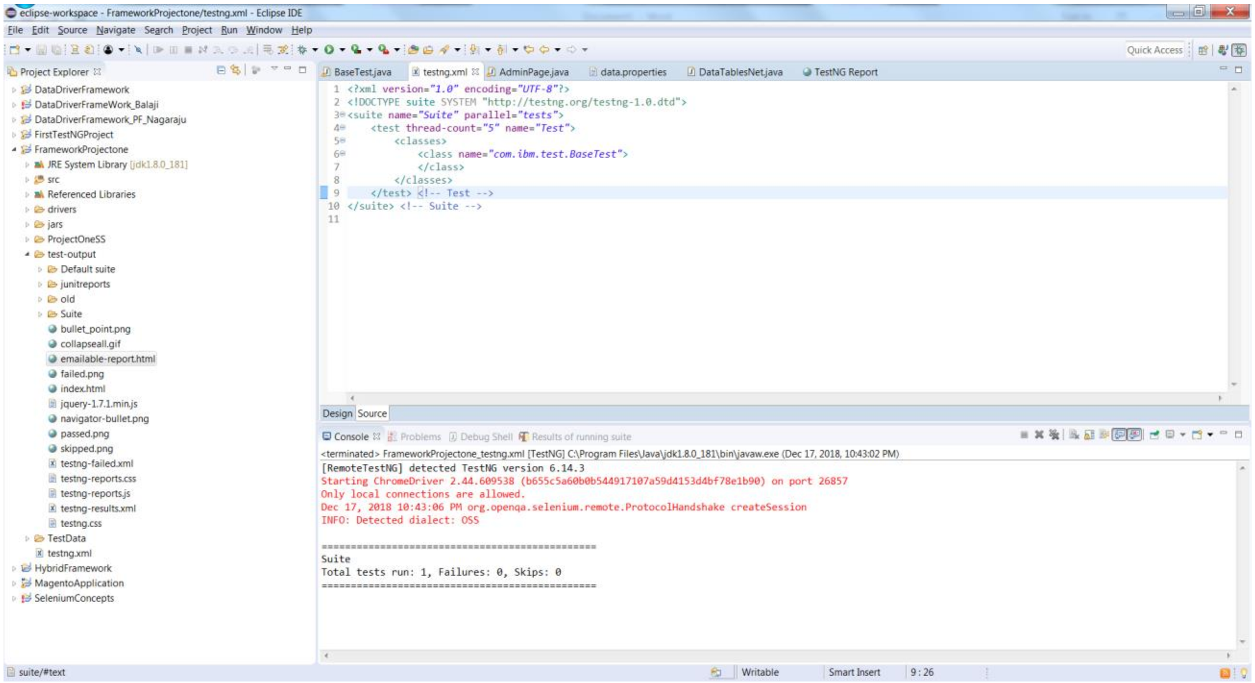
```
url=https://atozgroceries.com/admin
```

```
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.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 Output



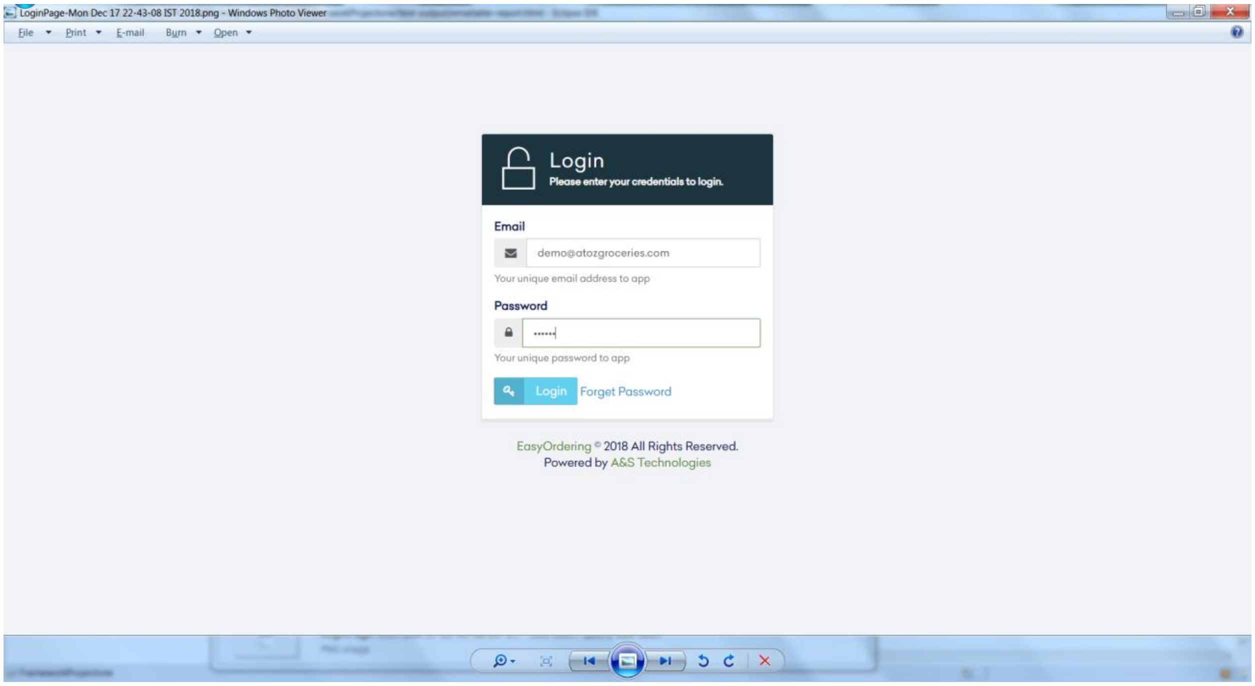
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite" parallel="tests">
    <test thread-count="5" name="Test">
        <classes>
            <class name="com.ibm.test.BaseTest">
            </class>
        </classes>
    </test> <!--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

```
<terminated> FrameworkProjectone_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.exe (Dec 17, 2018, 10:43:02 PM)
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 26857
Only local connections are allowed.
Dec 17, 2018 10:43:06 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

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

Screen shot of each step

Login screen


LoginPage-Mon Dec 17 22-43-08 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

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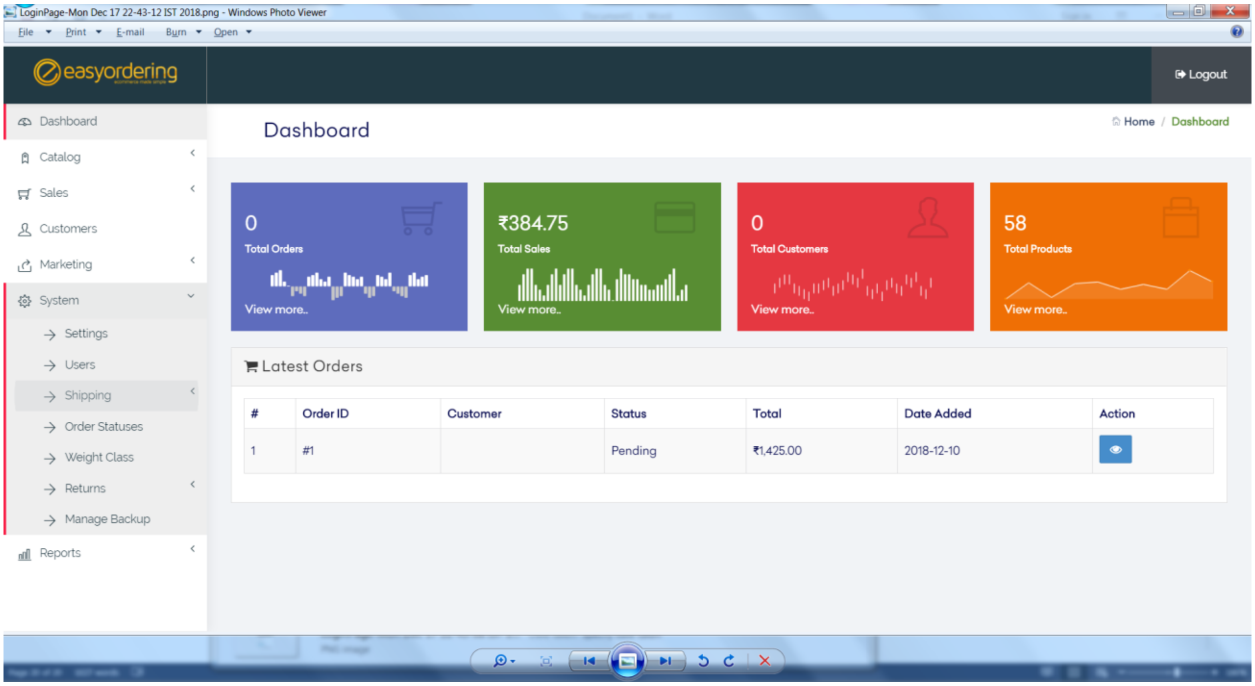
Powered by A&S Technologies

DashBoard and selecting System and shopping



Dashboard

0 Total Orders

₹384.75 Total Sales

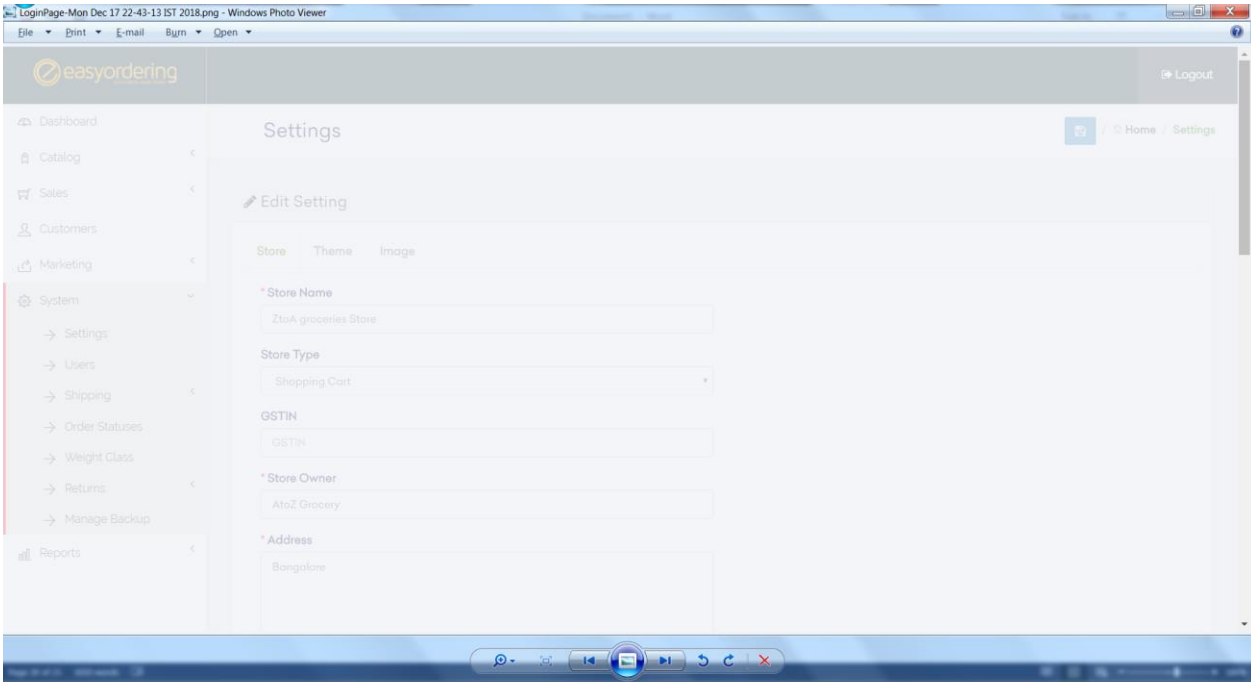
0 Total Customers

58 Total Products

Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#1		Pending	₹1,425.00	2018-12-10	👁

Edit Setting screen



Settings

Edit Setting

* Store Name: ZtoA groceries Store

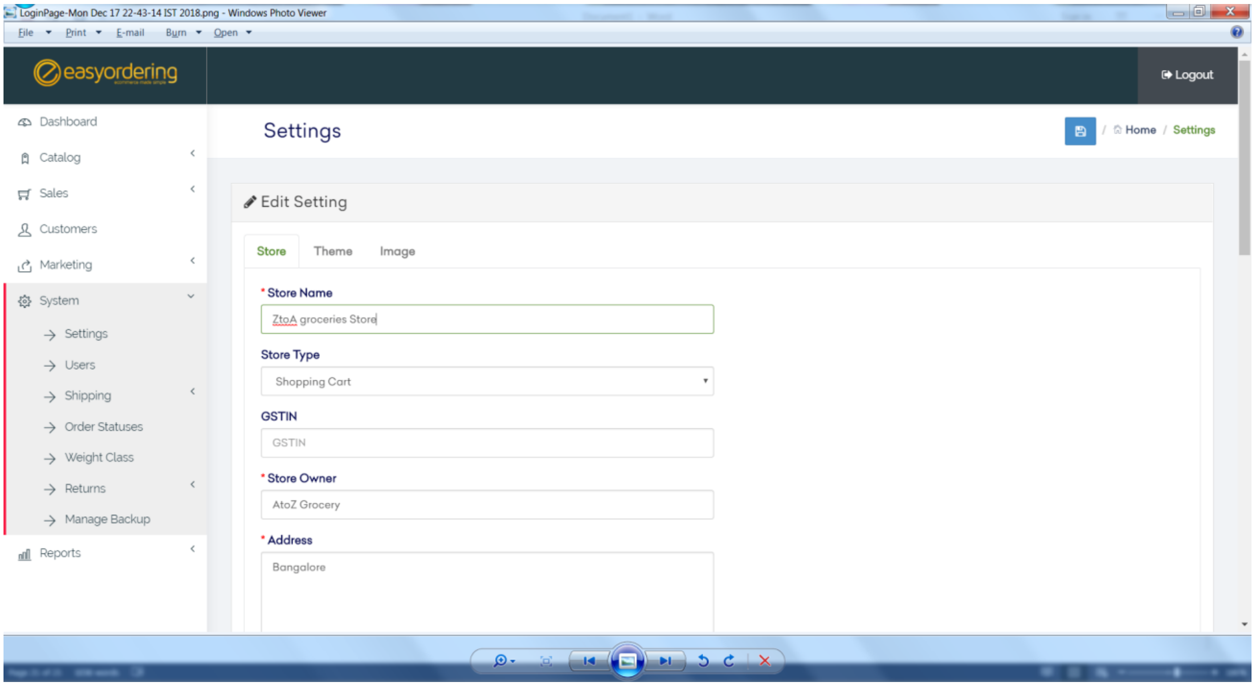
Store Type: Shopping Cart

GSTIN: GSTIN

* Store Owner: AtoZ Grocery

* Address: Bangalore

Edited Store Name



Settings

Edit Setting

* Store Name: ZtoA groceries Store

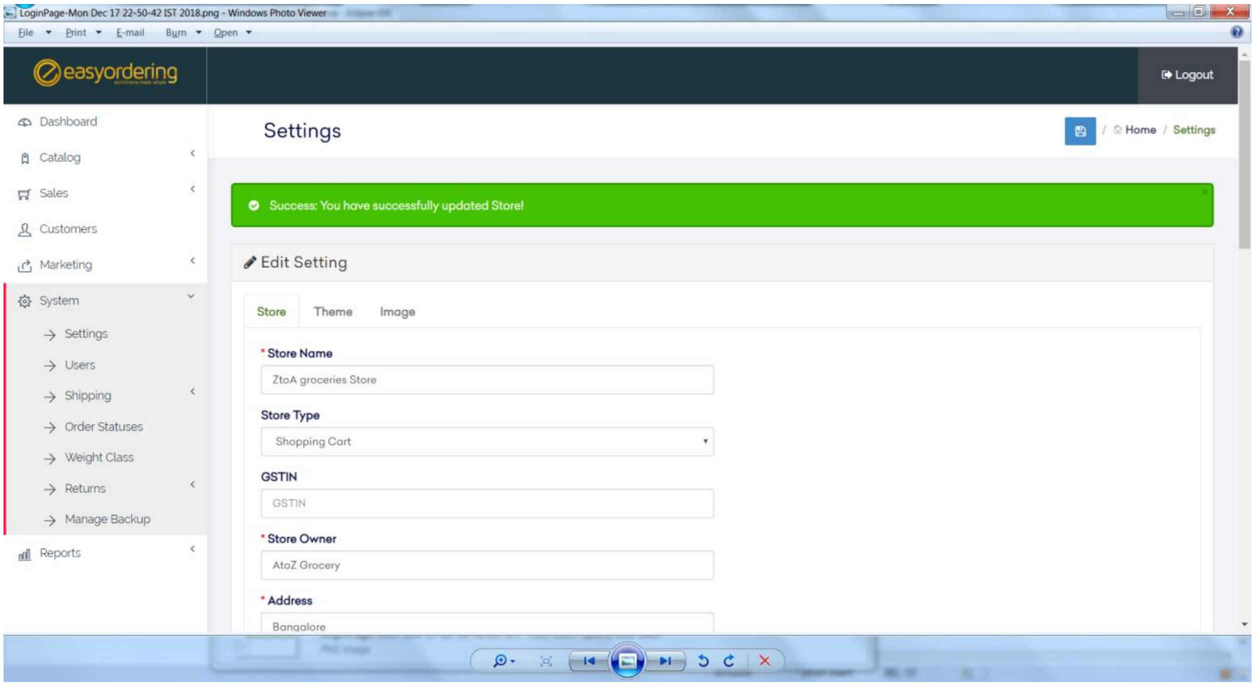
Store Type: Shopping Cart

GSTIN: GSTIN

* Store Owner: AtoZ Grocery

* Address: Bangalore

Success message after edited Store Name



Settings

Success: You have successfully updated Store!

Edit Setting

* Store Name: ZtoA groceries Store

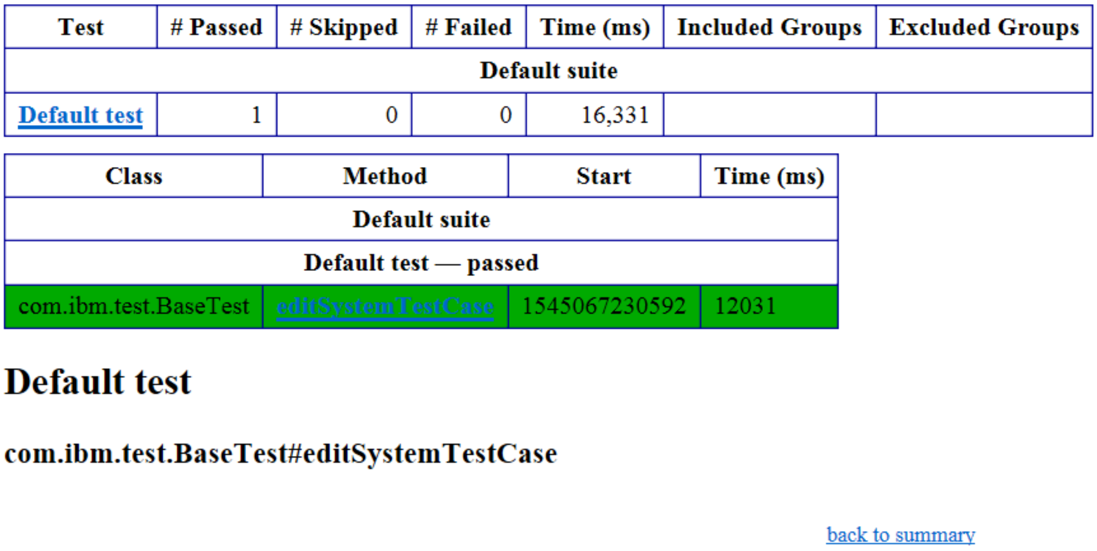
Store Type: Shopping Cart

GSTIN: GSTIN

* Store Owner: AtoZ Grocery

* Address: Bangalore

Emailable Output file screen shot



Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
Default test	1	0	0	16,331		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.BaseTest	editSystemTestCase	1545067230592	12031

Default test

com.ibm.test.BaseTest#editSystemTestCase

back to summary

Test Case Passed