

Day 4 Test Case

Process	Steps To Execute	Expected Results
Edit Weight Class	1. Navigate to Systems section, returns Option 2. Choose Weight Class 3. Under action button of Weight Class, choose Edit 4. Edit a new weight name, unit, status and Save	Validate the presence of modified details in the table

Programs

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 Case four
```

```
    @Test(priority=4)
```

```
    public void weightClassTestCase() 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.systemSection();
```

```
        adminPage.weightClass();
```

```
        adminPage.CaptureScreenshot(driver);
```

```
        adminPage.ClickOnAction();
```

```
        adminPage.CaptureScreenshot(driver);
```

```
        adminPage.ClickOnEdit();
```

```
        adminPage.CaptureScreenshot(driver);
```

```
        adminPage.EditWeightName();
```

```
        adminPage.EditUnitName();
```

```
        adminPage.SelectStatus();
```

```
        adminPage.CaptureScreenshot(driver);
```

```
        adminPage.clickOnSaveButton();
```

```
        adminPage.CaptureScreenshot(driver);
```

```

        Thread.sleep(2000);
        adminPage.verifyWeightName();

        String weightclassName=driver.getTitle();
        System.out.println(weightclassName);

    }
}

```

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 {

    //xpath 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[@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']/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");
        }
    }
}

```

Data.properties

```

url=https://atozgroceries.com/admin
username=demo@atozgroceries.com
password=456789
bannertitle=Banner | Admin Panel - Powered By A&S

```

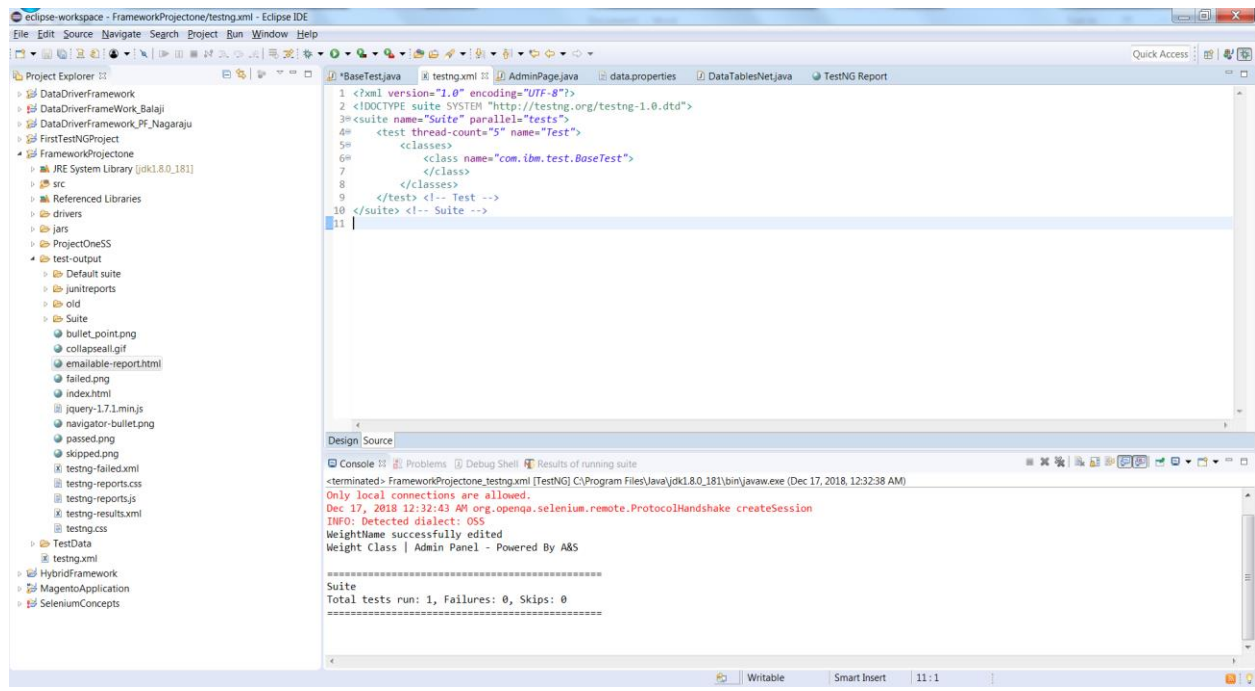
TestNG.xml

```

<?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 -->

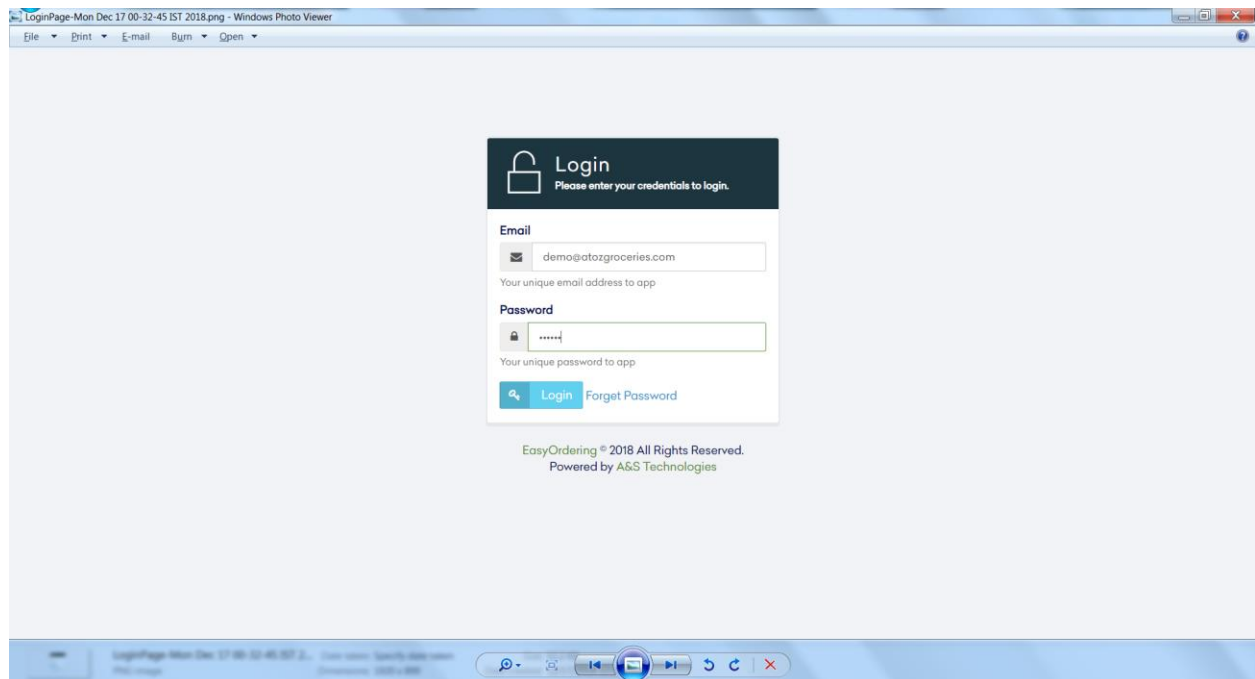
```

Output from Eclipse

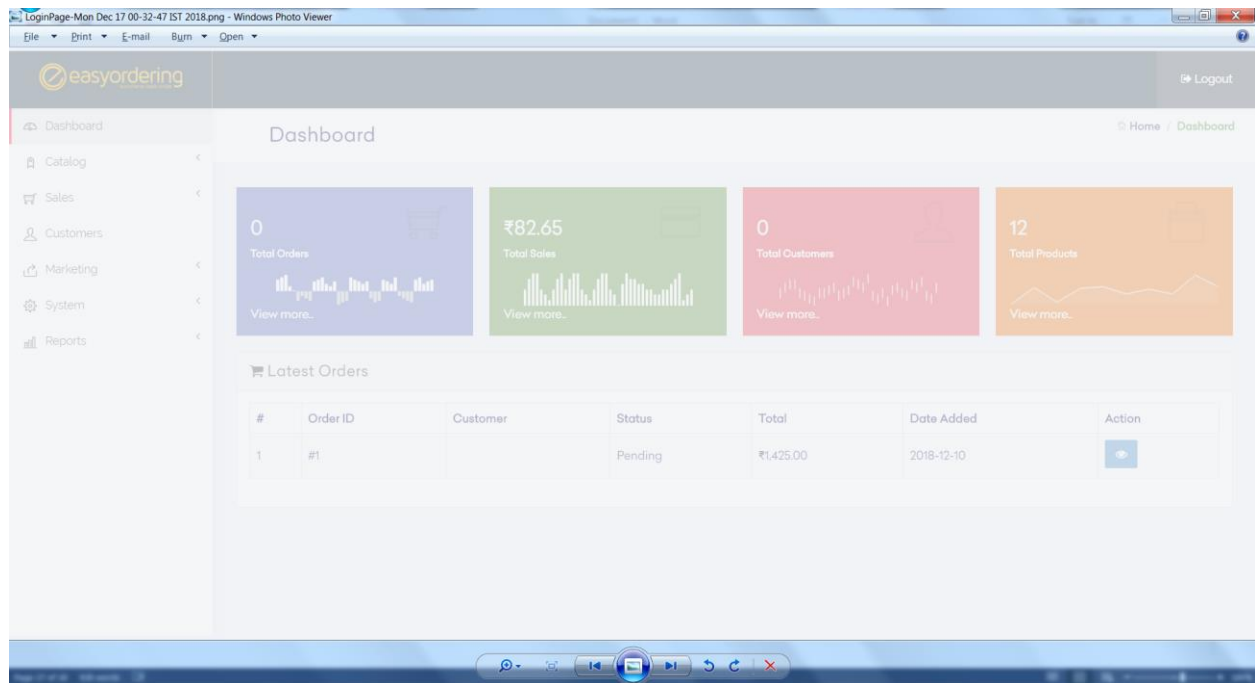


Screen shots of browser

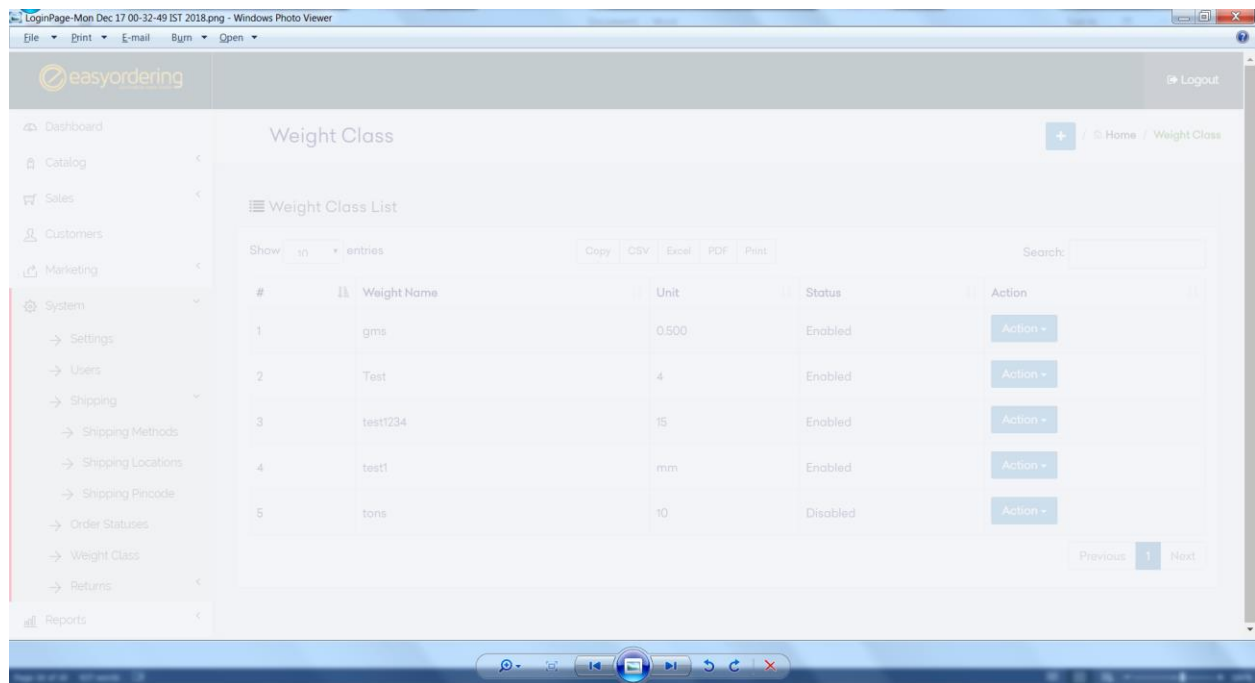
Login Page



DashBoard



WeightClass screen



WeightClass Edit Action

LoginPage-Mon Dec 17 00:32:50 IST 2018.png - Windows Photo Viewer

File Print E-mail Burn Open

easyordering Logout

Dashboard Catalog Sales Customers Marketing System Settings Users Shipping Shipping Methods Shipping Locations Shipping Pincode Order Statuses Weight Class Returns Reports

Weight Class

+ / Home / Weight Class

Weight Class List

Show 10 entries Copy CSV Excel PDF Print Search:

#	Weight Name	Unit	Status	Action
1	gms	0.500	Enabled	Action +
2	Test	4	Enabled	Action +
3	test1234	15	Enabled	Action +
4	test1	mm	Enabled	Action +
5	tons	10	Disabled	Action +

Edit Delete Previous 1 Next

Edit Weight Class details

LoginPage-Mon Dec 17 00:32:51 IST 2018.png - Windows Photo Viewer

File Print E-mail Burn Open

easyordering Logout

Dashboard Catalog Sales Customers Marketing System Settings Users Shipping Shipping Methods Shipping Locations Shipping Pincode Order Statuses Weight Class Returns Reports

Weight Class

+ / Home / Weight Class

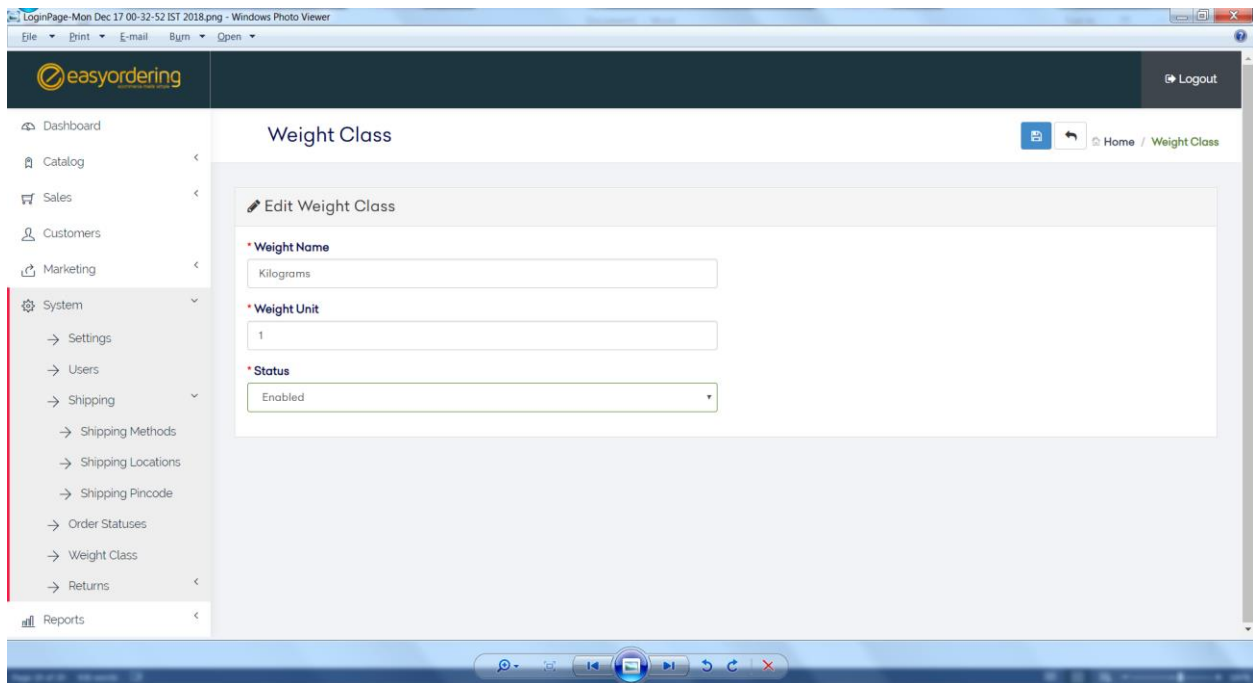
Edit Weight Class

* Weight Name
tons

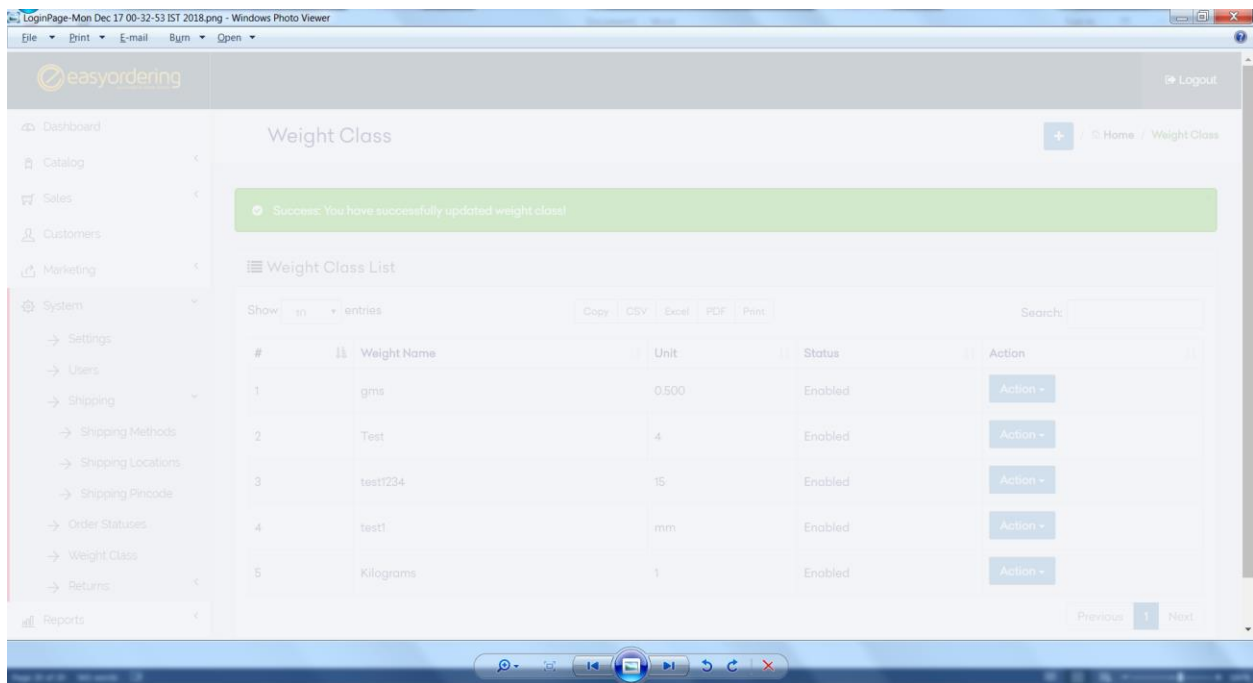
* Weight Unit
10

* Status
Disabled

Details updating in weight class



Updated WeightName details



E-mailable report

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	17,051		

Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.BaseTest	weightClassTestCase	1544986963930	12544

Test

com.ibm.test.BaseTest#weightClassTestCase

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