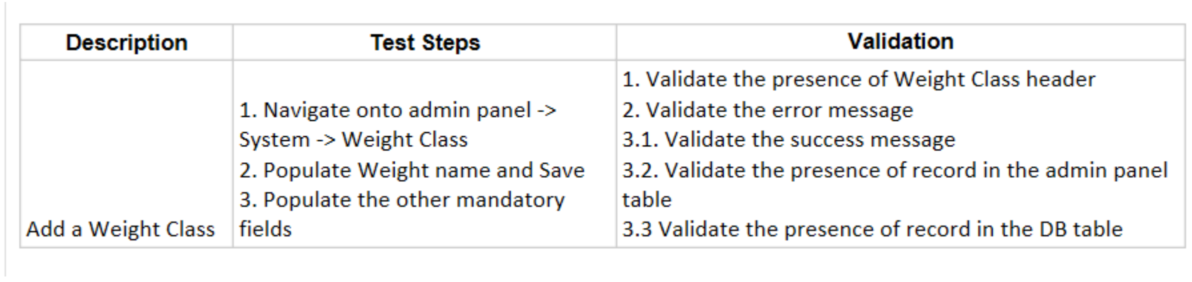
Day 11 Test Case



Description	Test Steps	Validation
Add a Weight Class	1. Navigate onto admin panel -> System -> Weight Class 2. Populate Weight name and Save 3. Populate the other mandatory fields	1. Validate the presence of Weight Class header 2. Validate the error message 3.1. Validate the success message 3.2. Validate the presence of record in the admin panel table 3.3 Validate the presence of record in the DB table

Programs below

BaseTest.java program

```
package com.ibm.test;


import static org.testng.Assert.assertEquals;

import static org.testng.Assert.assertTrue;


import java.io.IOException;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.concurrent.TimeUnit;


import org.junit.Assert;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.ExpectedConditions;

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.DbConnectionUser;
//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.gecko.driver","./drivers/geckodriver.exe");
		//System.setProperty("webdriver.chrome.driver","./drivers/chromedriver.exe");
		//driver=new ChromeDriver();
		driver=new FirefoxDriver();
		wait=new WebDriverWait(driver,60);
		driver.manage().window().maximize();
		driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);


	}


	@AfterMethod
	public void closeBrowser() {
		driver.quit();
	}
//Add A weightClass and Verify in Each step
	@Test(priority=11)
	public void AddWeightClassAndVerify() throws IOException,
InterruptedException, SQLException
	{
		//using data from property file
				String url = data.get("url");
				String userName=data.get("username");
				String passWord=data.get("password");
				String weightClssHeadr=data.get("weightClassheader");
				String valdMessage=data.get("validationMessage");
				String
addWeighSuccMsg=data.get("addWeightClassSuccessMsg");
				driver.get(url);

				AdminPage adminPage=new AdminPage(driver, wait);

				adminPage.enterEmail(userName);
				adminPage.enterPassword(passWord);

				adminPage.CaptureScreenshot(driver);

				adminPage.clickOnLogin();
				Thread.sleep(1000);
				adminPage.CaptureScreenshot(driver);

				adminPage.systemSection();
				adminPage.weightClass();

				Thread.sleep(1000);
				adminPage.CaptureScreenshot(driver);

				String weightClassHeader=adminPage.WeightClassheader();
				System.out.println(weightClassHeader);
				Assert.assertEquals(weightClssHeadr, weightClassHeader);

				adminPage.clickOnAddNewButton();
				Thread.sleep(1000);
				adminPage.CaptureScreenshot(driver);

				adminPage.clickOnSaveButton();
				Thread.sleep(2000);
				String validaMessage=adminPage.validationMessage();

				Assert.assertEquals(valdMessage, validaMessage);
				adminPage.CaptureScreenshot(driver);

				adminPage.addWeightName();
				adminPage.addWeightUnit();
				adminPage.SelectStatus();
				adminPage.CaptureScreenshot(driver);

				adminPage.ClickOnSaveButton();
				Thread.sleep(1500);
				adminPage.CaptureScreenshot(driver);

				String
successMsg=adminPage.AddWeightClassSuccMsg().trim();
				System.out.println(successMsg);
				Assert.assertEquals(successMsg,addWeighSuccMsg);

				adminPage.verifyAddedNewWeightClass();
				DbConnectionUser dbConnect=new DbConnectionUser(driver,
wait);
				int addedNewWeightClass=dbConnect.DbNewAddedWeightClass();

				if(addedNewWeightClass==1)
				{
					System.out.println("Newly added weightClass present
in DB");
				}
				else
				{
					System.out.println("Newly added weightClass not
present in DB");
				}
	}
}
```

AdminPage.java program

```java
package com.ibm.pages;

import static org.testng.Assert.assertEquals;
import static org.testng.Assert.fail;

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.Keys;
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.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.ExpectedConditions;
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;

public void addWeightName()
{
        editWeightName.sendKeys("ComplexTest");
}
public void addWeightUnit()
```

```
{
		editUnitName.sendKeys("01");
}

@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="//*[text()=' Statistics']")
```

```
	WebElement clickonStatistics;



	@FindBy(xpath="//table[@class='table table-bordered table-striped table-
hover']/tbody/tr[5]/td[2]")
	WebElement totalProducts;

	@FindBy(xpath="//*[text()=' Products']")
	WebElement clickOnProducts;

	@FindBy(xpath="(//*[@class='caret'])[1]")
	WebElement clickOnActions;

	@FindBy(xpath="(//*[text()='Delete'])[7]")
	WebElement clickOnDeleteUnderActions;

	@FindBy(xpath="//button[@class='confirm']")
	WebElement clickOnConfirmDelete;

	@FindBy(id="pro_name")
	WebElement productName;



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

	@FindBy(xpath="//a[text()='Link']")
	WebElement clickOnlink;
```

```
@FindBy(id="tabs")

WebElement selectTabs;


@FindBy(xpath="//*[text()=' Tabs']")

WebElement clickOnTabs;


@FindBy(id="categories")

WebElement selectCategories;


@FindBy(xpath="//a[text()='Image']")

WebElement clickOnImage;


@FindBy(xpath="//input[@id='pro_image']")

WebElement selectProductImage;


@FindBy(xpath="//button[@type='Submit']")

WebElement clickOnSaveButton;


@FindBy(xpath="//*[text()=' Users']")

WebElement clickOnUserTab;


@FindBy(xpath="//*[@class='alert alert-success alert-dismissible']")

WebElement addWeightSuccMsg;


public String AddWeightClassSuccMsg()

{

        String succMsg=addWeightSuccMsg.getText().trim().replace("×", "");

        //System.out.println(succMsg);

        return succMsg;
}

public void ClickOnUserTab()
{
	clickOnUserTab.click();
}

WebDriverWait wait;
//WebDriver driver=new FirefoxDriver();
WebDriver driver;
JavascriptExecutor js=(JavascriptExecutor)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+".jpg"));
}
//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 String validationMessage()
	{
		JavascriptExecutor js=(JavascriptExecutor)driver;
		String sText=js.executeScript("return
document.getElementsByName('name')[\"0\"].validationMessage").toString();
		System.out.println(sText);
		return sText;



	}
	//Enter in Banner Name field
	public void bannerName()
	{
		bannerNameField.sendKeys("BannerTestCase");
	}
	public void ClickOnTabs()
	{
		clickOnTabs.click();
	}
	//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+"]/t
d[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");
	}

	public void clickOnStatistics()
	{
		clickonStatistics.click();
	}

	public int totalProductsInStatistics()
	{

		String totalProductsInTable=totalProducts.getText();
		int prods=Integer.parseInt(totalProductsInTable);
		//System.out.println("Total Products "+prods);
		return prods;


	}
	public void ClickOnProducts()
	{
		clickOnProducts.click();
		wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("dataTableExample2")));
	}
	public void ClickOnActions()
	{
		wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("dataTableExample2")));
		clickOnActions.click();
	}
	public void ClickOnDeleteUnderActions()
	{
		clickOnDeleteUnderActions.click();
	}
	public void ClickOnDeleteConfirm()
	{
		clickOnConfirmDelete.click();
	}



	public void ProductName()
	{
		productName.sendKeys("Fresh Badham");
	}
	public void MetaTitle()
```

```
{
	metaTitle.sendKeys("Fresh");
}



public void ClickOnDataLink()
{
	Actions action=new Actions(driver);
	action.moveToElement(clickOnDatalink).click().build().perform();
	//clickOnDatalink.click();
	//js.executeScript("arguments[0].click();",clickOnDatalink);
}

@FindBy(id="meta_title")
WebElement metaTitle;

@FindBy(id="model")
WebElement model;

@FindBy(id="gst")
WebElement gst;

@FindBy(id="price")
WebElement price;

@FindBy(id="special_dis")
WebElement specialDiscount;
public void Model()
{
        model.sendKeys("Fresh");
}
public void GstValue()
{
        gst.sendKeys("18");
}
public void PriceValue()
{
        price.sendKeys("1000");
}
public void SpecialDiscount()
{
        specialDiscount.sendKeys("0");
}
public void ClickOnlinktab()
{
        clickOnlink.click();
}

public void ClickOnImage()
{
        clickOnImage.click();
}

public int tableDataInProductsTab()
{
        int tableRows=selectReportTable.size();
        int productPriceVal=0;
        for(int i=1;i<=tableRows;i++)
```

```
                {
                        WebElement
productName=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));
                        String productNameText=productName.getText();
                        if(productNameText.equals("Fresh Badham"))
                        {
                                WebElement
productPrice=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[5]"));
                                String priceOfProduct=productPrice.getText().trim().replace(",",
"").replace(".00", "").replace("181", "");


        productPriceVal=productPriceVal+Integer.parseInt(priceOfProduct.trim());
                                break;
                        }
                        else
                        {
                                Assert.fail("Unable to locate Fresh Badham product in list");
                        }

                }
                return productPriceVal;

        }

        public void selectTabValue()
        {
                Select selectTabValue=new Select(selectTabs);
                selectTabValue.selectByVisibleText("Test01");
                }
```

```
	public void selProductImage()
	{
		selectProductImage.sendKeys("C:\\Users\\IBM_ADMIN\\eclipse-
workspace\\FrameworkProjectone\\TestData\\BadhamFrs.JPG");
	}
	public void SelectCategory()
	{
		Select selectCatgory=new Select(selectCategories);
		selectCatgory.selectByVisibleText("Grains");
	}

	@FindBy(id="search-box")
	WebElement searchBoxEle;

	@FindBy(xpath="//*[text()='  Marketing']")
	WebElement clickOnMarketing;

	public void ClickOnMarketing()
	{
		clickOnMarketing.click();
	}

	@FindBy(xpath="//*[text()=' Push Notification']")
	WebElement clickOnPushNotification;

	public void ClickOnPushNotification()
	{
		clickOnPushNotification.click();
	}

	@FindBy(xpath="//img[@src='https://atozgroceries.com/assets/uploads/products/BadhamFrs.J
PG']")
	WebElement searchSelectEle;
	public void SearchBox() throws InterruptedException
	{
		searchBoxEle.click();
		Thread.sleep(1000);
	}
	public void SearchSelectEle()
	{
		searchSelectEle.click();
	}

	/*public void SearchSelectEle()
	{
		int products=searchSelectEle.size();
		for(int j=1;j<=products;j++)
		{
			WebElement freshBadhamPro=driver.findElement(By.xpath("(//*[@class='pro-
name'])["+j+"]"));
			String badhamProName=freshBadhamPro.getText();
			if(badhamProName.equals("Fresh Badham"))
			{

	driver.findElement(By.xpath("//img[@src='https://atozgroceries.com/assets/uploads/products/
BadhamFrs.JPG']")).click();
				break;
			}
```

```
				else
				{
					Assert.fail();
				}
			}*/



		/*@FindBy(xpath="(//*[text()='Fresh Badham'])[1]")
		WebElement selectFreshBadhamProduct;
		public void SelectFreshBadhamProduct() throws InterruptedException
		{
			wait.until(ExpectedConditions.elementToBeSelected(selectFreshBadhamProduct));
			selectFreshBadhamProduct.click();
			Thread.sleep(1000);
		}*/
		@FindBy(xpath="(//input[@type='text'])[2]")
		WebElement searchEleInUser;
		public void SearchEleInUserscreen()
		{
			searchEleInUser.sendKeys("CategoryTest");
			Actions action=new Actions(driver);
			action.sendKeys(Keys.DOWN).build().perform();


		}
		@FindBy(xpath="(//*[@class='product-cost'])[1]")
		WebElement selectDiscountPrice;
		public int DiscountPriceOfProduct()
		{
			String priceofProuct=selectDiscountPrice.getText().trim().replace("₹","").replaceAll(",", 
"");
			int productPrice=Integer.parseInt(priceofProuct.trim().replace("1000.00", 
"1000").replace("Discounted price: ", ""));
			System.out.println(productPrice);
			return productPrice;
		}


		public void checkForCategory() throws InterruptedException
		{
			//int rowsInCategory=selectReportTable.size();


			String CategoryName=null;
			String statusOfCategory=null;


			for(int i=1;i<=10;i++)
			{
				WebElement 
CateName=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));


				CategoryName= CateName.getText();




				if(CategoryName.equals("CategoryTest"))
				{


					WebElement 
statusIncategory=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[5]
"));
					statusOfCategory=statusIncategory.getText();
```

```
                        if(statusOfCategory.equals("Enabled"))
                        {
                        driver.findElement(By.xpath("(//span[@class='caret'])["+i+"]")).click();
                        driver.findElement(By.xpath("(//a[@title='Edit'])["+i+"]")).click();
                        Thread.sleep(2000);
                        WebElement statusSel=driver.findElement(By.name("status"));
                        Select selectStatus=new Select(statusSel);
                        selectStatus.selectByValue("0");
                        break;
                        }

                        else
                        {
                        Assert.fail("unable to find category");
                            }
                    }
                }
            }

            public void checkForCategoryUpdate() throws InterruptedException
            {
                int rowsInCategory=selectReportTable.size();

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

```
                        String CategoryName= CateName.getText();


                        if(CategoryName.equals("CategoryTest"))

                        {

                                WebElement
statusIncategory=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[5]
"));

                                String statusOfCategory=statusIncategory.getText();

                                if(statusOfCategory.equals("Disabled"))

                                {

                                        System.out.println("Category updated successfully");

                                        break;


                                }

                                else

                                {

                                        Assert.fail("Category not updated");

                                }

                        }


                }





        }

        public void DeleteUser() throws InterruptedException

        {

                int rowsInUsers=selectReportTable.size();

                System.out.println(rowsInUsers);
```

```
                    String userNameinTable=null;

                    String userNameAction=null;


                    for(int i=1;i<=rowsInUsers;i++)

                    {

                              WebElement
userName=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));


                              userNameinTable= userName.getText();




                              if(userNameinTable.equals("TestDB"))

                              {

                                        WebElement
userAction=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[3]"));

                                        userNameAction=userAction.getText();

                                        if(userNameinTable.equals("TestDB") &&
userNameAction.equals("Enabled"))

                                        {


          driver.findElement(By.xpath("(//span[@class='caret'])["+i+"]")).click();

                                                  driver.findElement(By.xpath("(//*[text()='Delete'])["+(i-
1)+"]")).click();

                                                  Thread.sleep(2000);


                                                  break;

                                                  }

                                                  else

                                                  {
```

```
                                        Assert.fail("Unable to Delete user");
                                        }
                                }

                }




        }

        public void DeleteUserfromPushNotifications() throws InterruptedException
        {
                int rowsInUsers=selectReportTable.size();
                System.out.println(rowsInUsers);

                String NotifyName=null;

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

                        NotifyName= notificationName.getText();



                        if(NotifyName.equals("DoNotDelete"))
                        {

        driver.findElement(By.xpath("(//span[@class='caret'])["+i+"]")).click();
driver.findElement(By.xpath("(//*[text()='Delete'])["+i+"]")).click();
                                        Thread.sleep(2000);

                                        break;
                                        }
                                        else
                                        {
                                        Assert.fail("Unable to Delete Push Notification");
                                        }
                              }

          }
@FindBy(xpath="(//li[@class='active'])[5]")
WebElement WeightClassHeader;
public String WeightClassheader()
{
          String header=WeightClassHeader.getText();
          return header;
}

public void verifyAddedNewWeightClass()
{
          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("ComplexTest"))
				{
					break;
				}
			}
				//Confirming edited weightName
				if(weightNameInWeightClass.equals("ComplexTest") && statusFromWeightClass.equals("Enabled"))
				{
					System.out.println("Newly added WeighClass present in Table");
				}
				else
				{
					//If Weight Name is not edited fail the test case
					Assert.fail("Newly added WeightClass not present in Table");
				}
			}
}
```

DB connection program

```
package com.ibm.utilities;
```

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;


import org.openqa.selenium.WebDriver;

import org.openqa.selenium.support.PageFactory;

import org.openqa.selenium.support.ui.WebDriverWait;

import org.testng.Assert;


public class DbConnectionUser {


        WebDriverWait wait;

        WebDriver driver;


        public DbConnectionUser(WebDriver driver, WebDriverWait wait)

        {

                PageFactory.initElements(driver, this);

                this.driver=driver;

                this.wait=wait;

        }

                public int DbNewAddedWeightClass() throws SQLException {

                //connection string - jdbc(odbc):server://host:port/db_name, username,
password
                Connection c =
DriverManager.getConnection("jdbc:mysql://foodsonfinger.com:3306/foodsonfinger_atozgr
oceries",
                                "foodsonfinger_atoz","welcome@123");
                Statement s = c.createStatement();
```

```
		ResultSet rs=s.executeQuery("SELECT COUNT(*) FROM `as_weight` WHERE
name='ComplexTest'");
		rs.next();
		int no=rs.getInt(1);
		return no;
		}

}
```

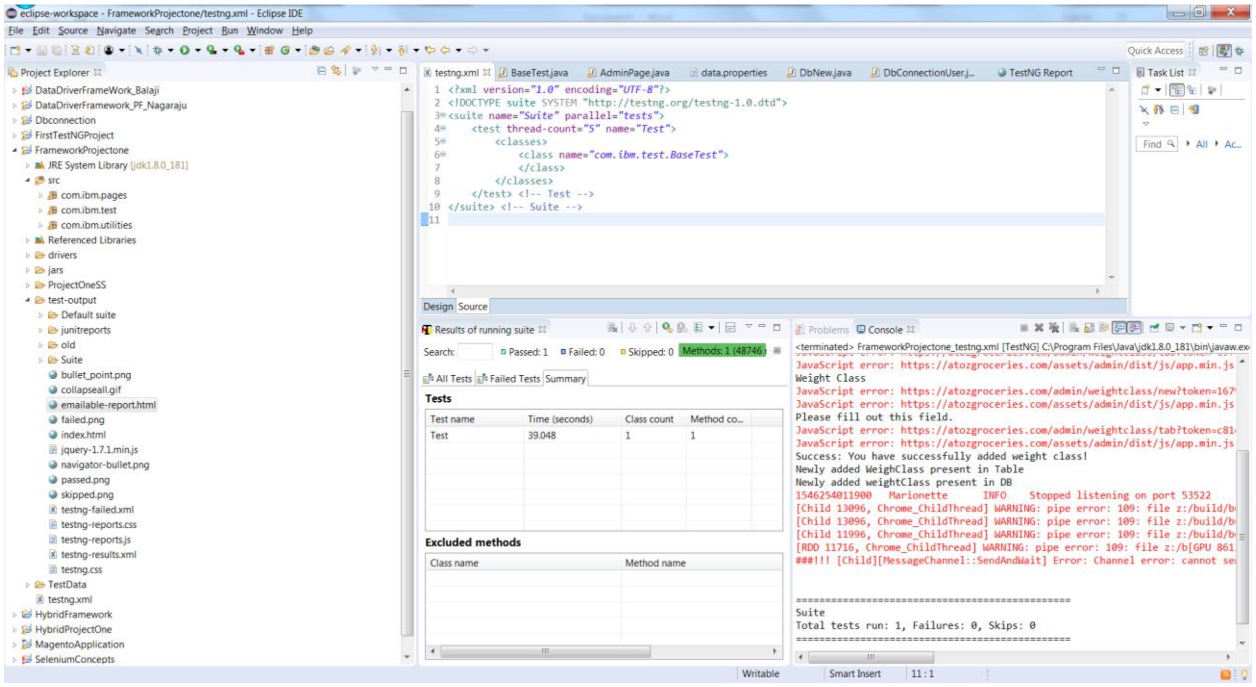
Data.properties file

```
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
weightClassheader=Weight Class
validationMessage=Please fill out this field.
addWeightClassSuccessMsg=Success: You have successfully added weight class!
```

TestNG.xml file

```
<?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 after code executed



```
<?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 -->
```

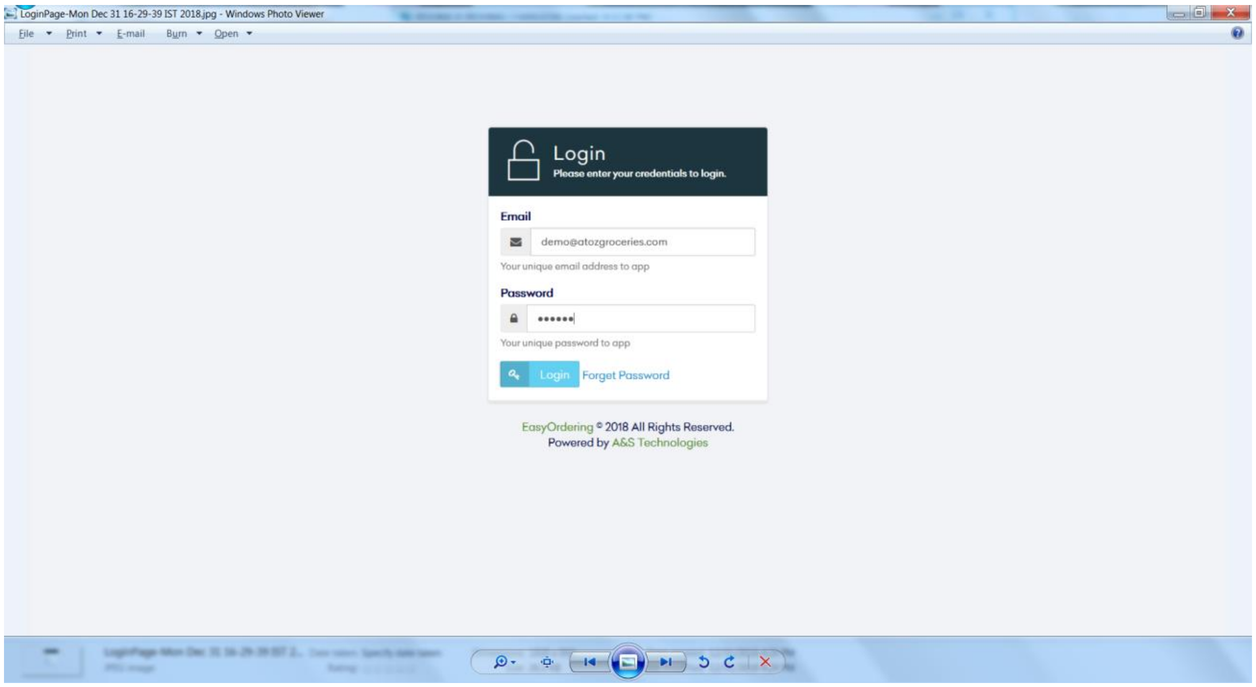
Passed: 1 Failed: 0 Skipped: 0 Methods: 1 (48746

Test name	Time (seconds)	Class count	Method co...
Test	39.048	1	1

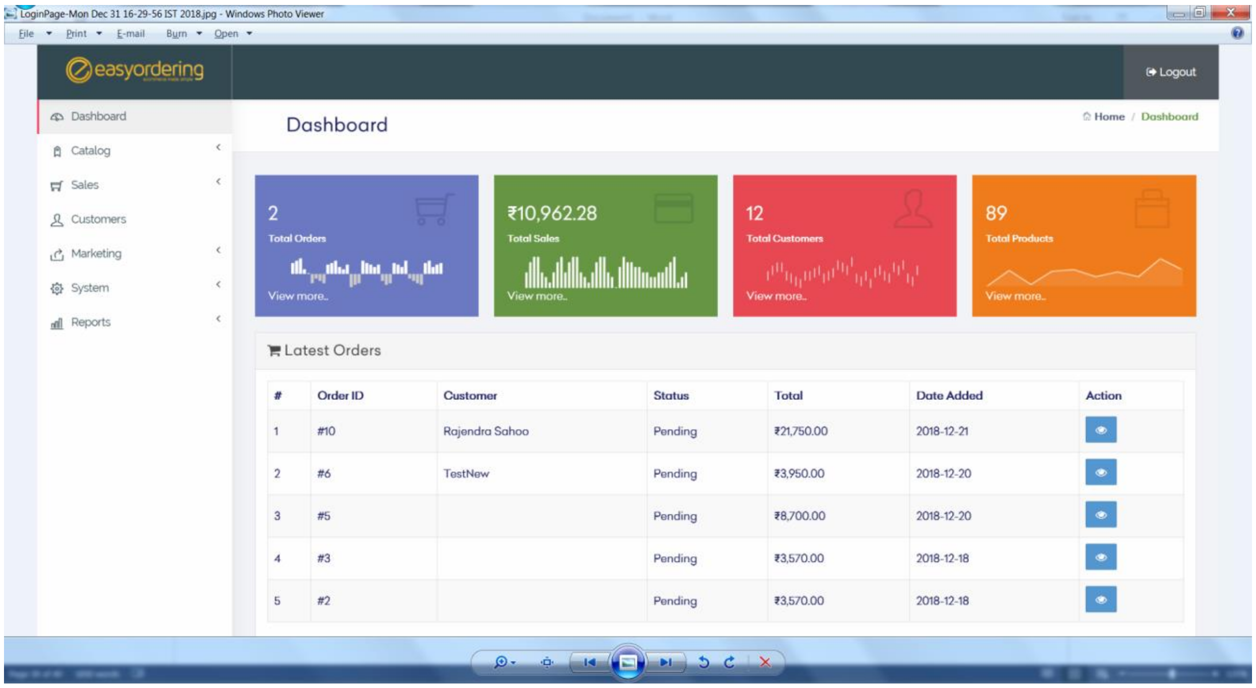
```
<terminated> FrameworkProjectone_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.ex
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js
Weight Class
JavaScript error: https://atozgroceries.com/admin/weightclass/new?token=167
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js
Please fill out this field.
JavaScript error: https://atozgroceries.com/admin/weightclass/tab?token=c81
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js
Success: You have successfully added weight class!
Newly added WeighClass present in Table
Newly added weightClass present in DB
1546254011900   Marionette     INFO    Stopped listening on port 53522
[Child 13096, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/b
[Child 13096, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/b
[Child 11996, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/b
[RDD 11716, Chrome_ChildThread] WARNING: pipe error: 109: file z:/b[GPU 861
###!!! [Child][MessageChannel::SendAndWait] Error: Channel error: cannot se


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

Success output

Browser screen shots for each step


LoginPage-Mon Dec 31 16-29-39 IST 2018.jpg - Windows Photo Viewer
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

Login page



Dashboard

2 Total Orders

₹10,962.28 Total Sales

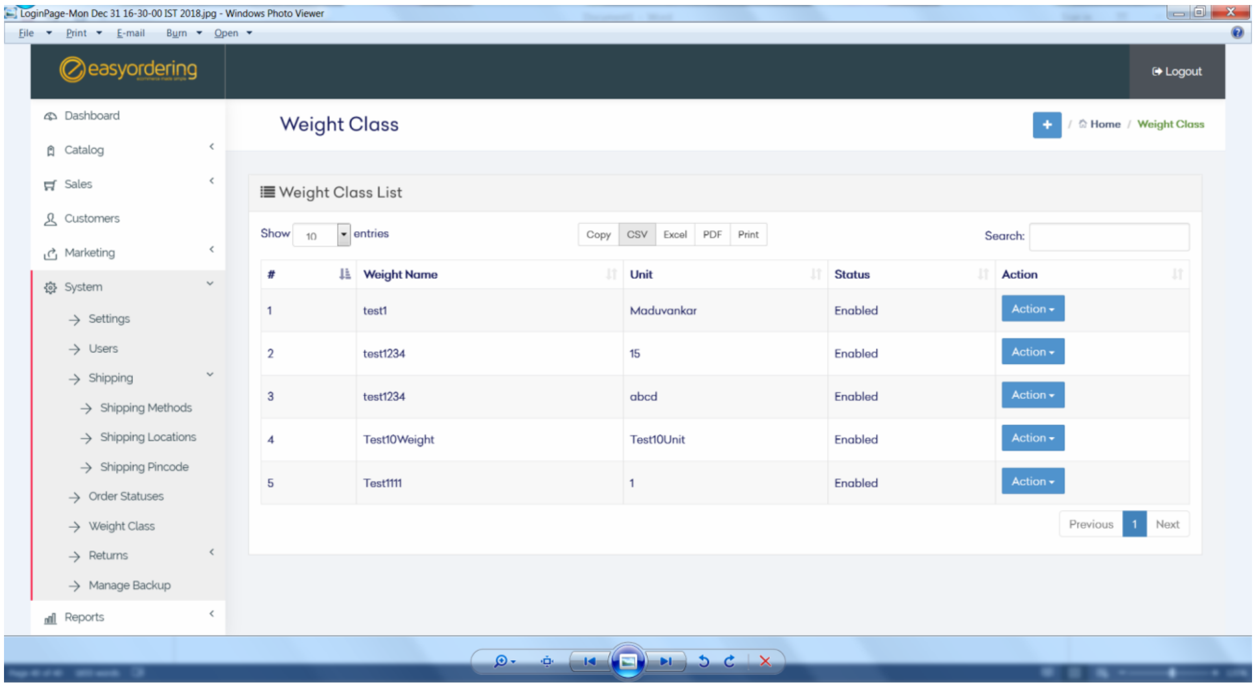
12 Total Customers

89 Total Products

Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#10	Rajendra Sahoo	Pending	₹21,750.00	2018-12-21	👁
2	#6	TestNew	Pending	₹3,950.00	2018-12-20	👁
3	#5		Pending	₹8,700.00	2018-12-20	👁
4	#3		Pending	₹3,570.00	2018-12-18	👁
5	#2		Pending	₹3,570.00	2018-12-18	👁

Home Page after login success

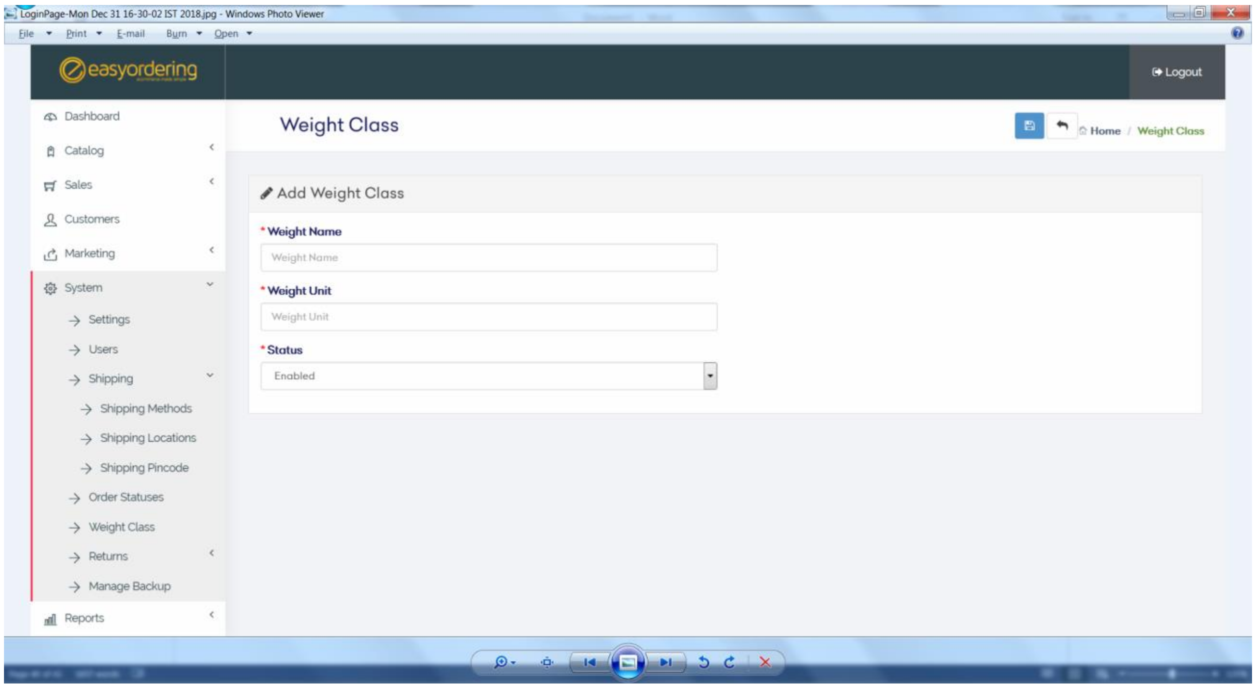


Weight Class

Weight Class List

#	Weight Name	Unit	Status	Action
1	test1	Maduvankar	Enabled	Action ▾
2	test1234	15	Enabled	Action ▾
3	test1234	abcd	Enabled	Action ▾
4	Test10Weight	Test10Unit	Enabled	Action ▾
5	Test1111	1	Enabled	Action ▾

WeightClass Table

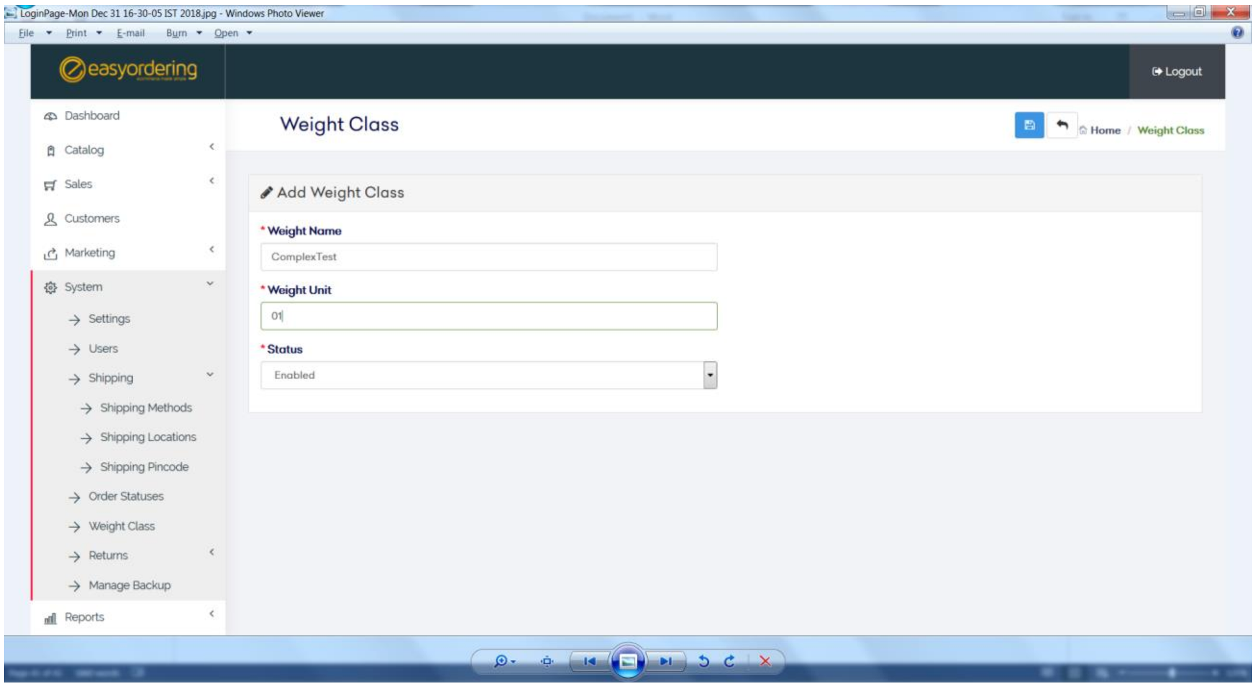


Weight Class

Add Weight Class

* Weight Name	Weight Name
* Weight Unit	Weight Unit
* Status	Enabled

Add WeightClass screen

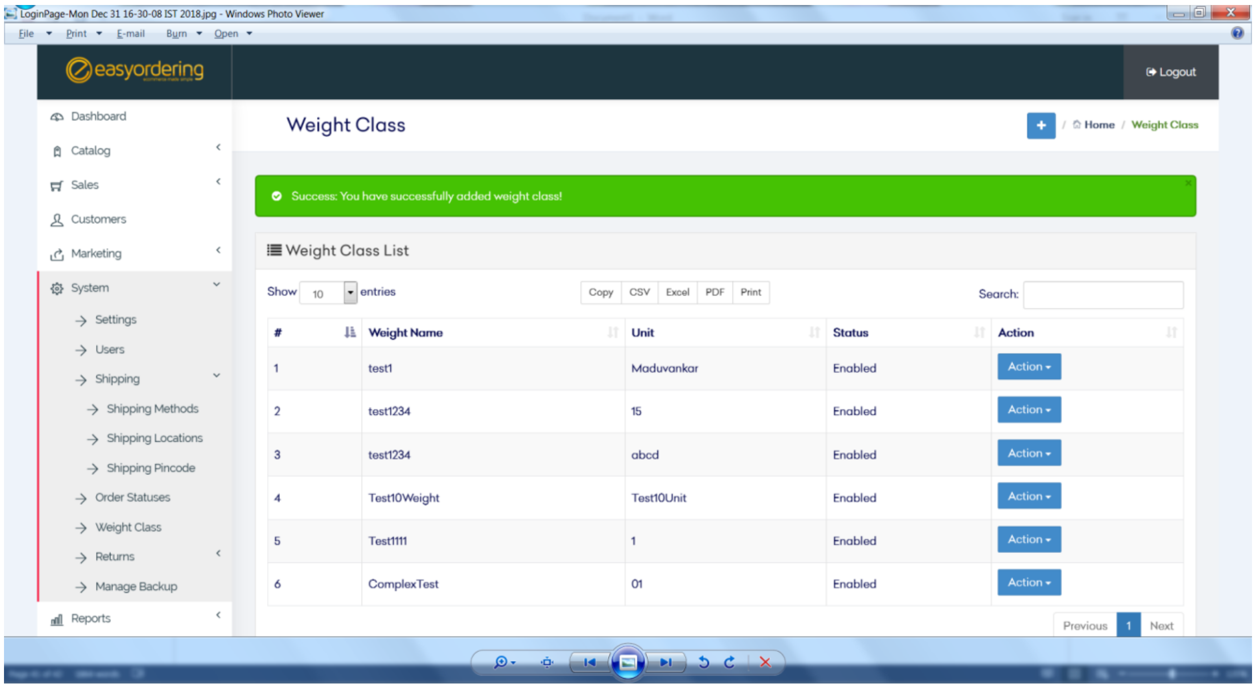


Weight Class

Add Weight Class

* Weight Name	ComplexTest
* Weight Unit	01
* Status	Enabled

Add weight Class screen



Weight Class

Home / Weight Class

Success: You have successfully added weight class!

Weight Class List

Show 10 entries — Copy CSV Excel PDF Print — Search:

#	Weight Name	Unit	Status	Action
1	test1	Maduvankar	Enabled	Action
2	test1234	15	Enabled	Action
3	test1234	abcd	Enabled	Action
4	Test10Weight	Test10Unit	Enabled	Action
5	Test1111	1	Enabled	Action
6	ComplexTest	01	Enabled	Action

Previous 1 Next

ComplexTest Weight Class added

Emailable report using TestNG

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	48,406		

Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.BaseTest	AddWeightClassAndVerify	1546253972818	39048

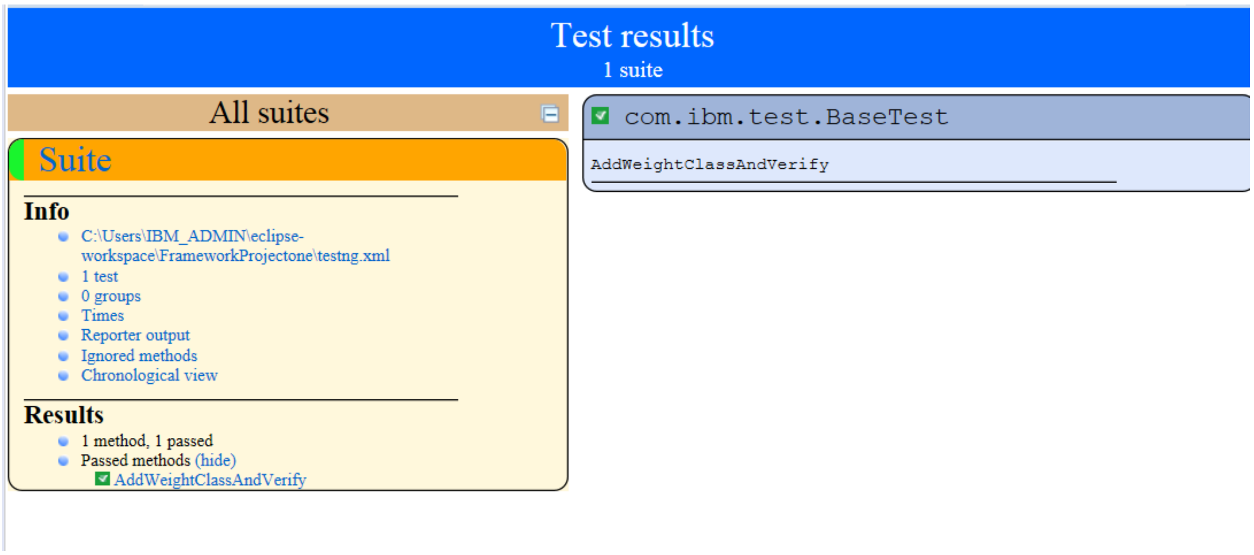
Test

com.ibm.test.BaseTest#AddWeightClassAndVerify

back to summary

Success

Index.html report



Test results
1 suite

All suites

Suite

Info

- C:\Users\IBM_ADMIN\eclipse-workspace\FrameworkProjectone\testng.xml
- 1 test
- 0 groups
- Times
- Reporter output
- Ignored methods
- Chronological view

Results

- 1 method, 1 passed
- Passed methods (hide)
  - ✓ AddWeightClassAndVerify

✓ com.ibm.test.BaseTest

AddWeightClassAndVerify

Test Case is pass