Day 12 Test Case – Level – Complex

Description	Test Steps	Validation
Delete an user	1. Navigate to Systems section, shipping Option 2. Choose Users 3. Add an user without populating mandatory fields. 4. Populate the other mandatory fields and save 5. Delete the same users	1. Validate the error message 2. Validate the success message 3. Verify the deleted user is not present on the database. 4. Verify the presence of added customer details on the database

Eclipse programs

BaseTest.java Program from Eclipse

```
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;
	DbConnectionUser dbConnect=new DbConnectionUser(driver, wait);
	//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();

	}

//Delete a user from User section
	@Test(priority=12)
	public void AddandDeleteaUser() 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");
				String usernameInUser=data.get("userNameinUser");
				String name=data.get("name");
				String emailAddress=data.get("emailAddress");
				String passwordforUser=data.get("passwordforUser");
				String confirmpassword=data.get("confirmpassword");
				String addUserMsg=data.get("addUserSuccMsg");
				String deleteErrorMsg=data.get("deleteErrorMessage");
				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.ClickOnUserTab();

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

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

                adminPage.clickOnSaveButton();
                String validatMessage=adminPage.validationMessage();

                Assert.assertEquals(valdMessage, validatMessage);

                adminPage.usernameInUser(usernameInUser);
                adminPage.enterEmailAddr(emailAddress);
                adminPage.nameFieldInUser(name);
                adminPage.enterPasswr(passwordforUser);
                adminPage.enterConfrmPasswr(confirmpassword);
                adminPage.SelectStatus();
                adminPage.CaptureScreenshot(driver);

                adminPage.ClickOnSaveButton();
                Thread.sleep(1000);
                adminPage.CaptureScreenshot(driver);
                String succMsg=adminPage.AddUserSuccMsg().trim();
                Assert.assertEquals(succMsg, addUserMsg);


                //Verify newly added user available in DB
                int addedNewUser=dbConnect.DbNewAddedUser();

                if(addedNewUser==1)
                {
                        System.out.println("Newly added User record present
in DB");
                }
                else
                {
                        System.out.println("Newly added User record not
present in DB");
                }

                adminPage.DeleteUser();
```

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

                                adminPage.ClickOnDeleteConfirm();
                                Thread.sleep(1000);
                                adminPage.CaptureScreenshot(driver);
                                String deleteErrMsg=adminPage.DeleteUserMsg().trim();

                                Assert.assertEquals(deleteErrMsg, deleteErrorMsg);

                                int deleteNewUser=dbConnect.DbNewAddedUser();

                                if(deleteNewUser==0)
                                {
                                        System.out.println("Successfully deleted Newly added 
User record in DB");
                                }
                                else
                                {
                                        System.out.println("Unable to delete Newly added 
User record in DB");
                                }
        }
}
```

AdminPage.java program from Eclipse

```
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(name="cpword")
WebElement enterConPass;

@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;

@FindBy(name="username")
WebElement enterUserName;

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

@FindBy(xpath="//*[@class='alert alert-danger alert-dismissible']")
WebElement deleteUserMsg;

public void enterConfrmPasswr(String confirmpassword)
{
        enterConPass.sendKeys(confirmpassword);
}

public void enterPasswr(String passwordforUser)
{
		enterPass.sendKeys(passwordforUser);
	}

	public void enterEmailAddr(String emailAddress)
	{
		emailAddr.sendKeys(emailAddress);
	}
	public void usernameInUser(String userNameinUser)
	{
		enterUserName.sendKeys(userNameinUser);
	}

	public void nameFieldInUser(String name)
	{
		bannerNameField.sendKeys(name);
	}

	public String AddWeightClassSuccMsg()
	{
		String succMsg=addWeightSuccMsg.getText().trim().replace("×", "");
		//System.out.println(succMsg);
		return succMsg;
	}

	public String DeleteUserMsg()
	{
		String deleteMsg=deleteUserMsg.getText().trim().replace("×", "");
		return deleteMsg;
```

```
}

public String AddUserSuccMsg()
{
        String sussMsg=successMsgText.getText().trim().replace("×", "");
        return sussMsg;
}

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('username')[\"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");
                        }
                }

        }
```

```
	}



	@FindBy(name="dataTableExample2_length")
	WebElement selectDropDownUser;

	public void selectDropDownInUser()
	{
		Select select=new Select(selectDropDownUser);
		select.selectByValue("25");
	}

	public void DeleteUser() throws InterruptedException
	{
		//System.out.println(rowsInUsers);
		Select select=new Select(selectDropDownUser);
		select.selectByValue("25");
		Thread.sleep(1000);
		int rowsInUsers=selectReportTable.size();
		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("PrivateUser"))
                              {
                                        WebElement
userAction=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[3]"));
                                        userNameAction=userAction.getText();
                                        if(userNameinTable.equals("PrivateUser") &&
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");
                                                  }
                                        }
                              else
                              {
                                        System.out.println("Cannot find user In table");
                              }


                    }
```

```
	}


	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+"]/t
d[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");

                        }

                }

}
```

DBConnection.java program from Eclipse

```
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 DbNewAddedUser() 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 * from as_banner");
			while(rs.next())
			{
				System.out.println(rs.getInt("banner_id"));
				System.out.print("\t"+rs.getString("name"));
			}*/


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

}
```

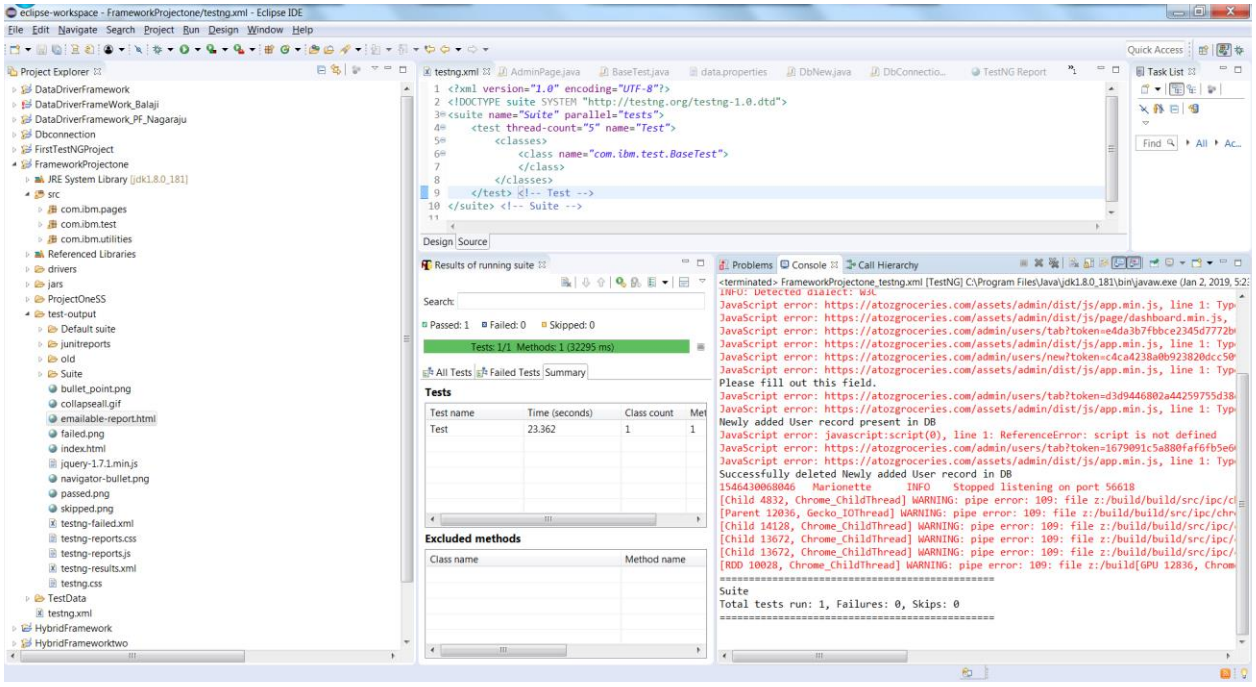
Data.properties file

```
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!
userNameinUser=PrivateUser
name=Customer
emailAddress=customerValue@gmail.com
passwordforUser=Dicaprio9
confirmpassword=Dicaprio9
addUserSuccMsg=Success: You have successfully added user!
deleteErrorMessage=You have successfully deleted data!
```

TestNG.xml file

```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 screen



```
<?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 -->
```

Results of running suite

Passed: 1   Failed: 0   Skipped: 0

Tests: 1/1 Methods: 1 (32295 ms)

Tests

Test name	Time (seconds)	Class count	Met
Test	23.362	1	1

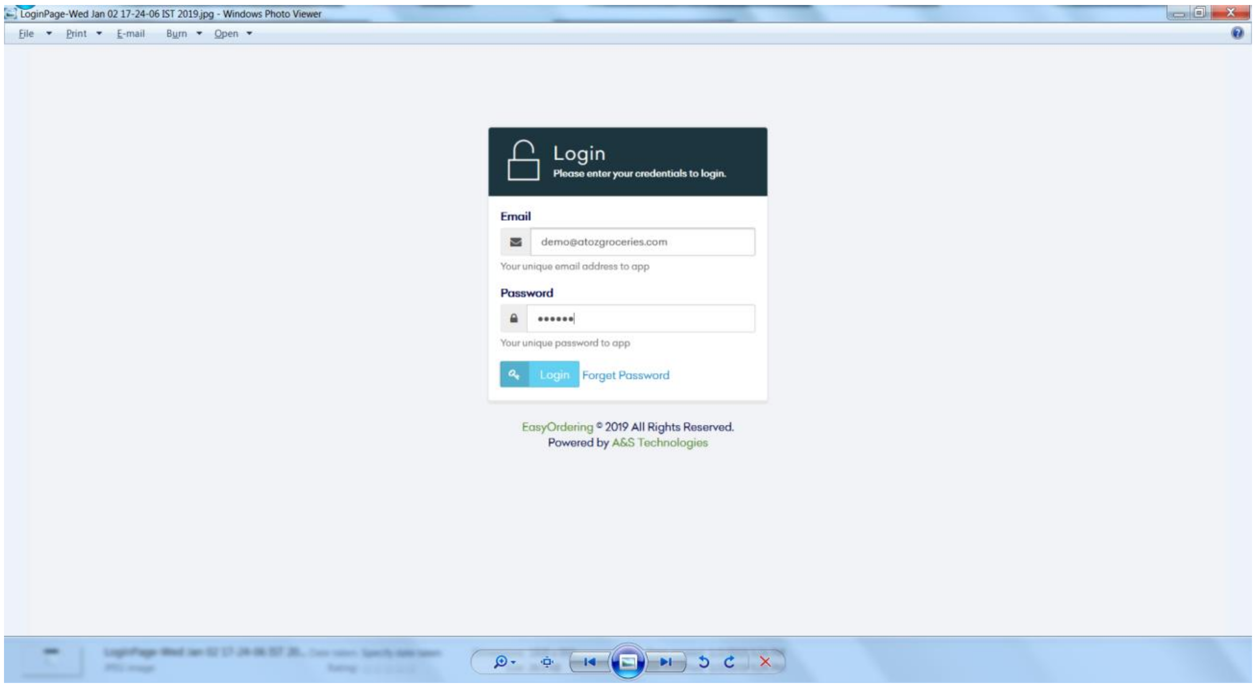
Excluded methods

Class name	Method name

```
<terminated> FrameworkProjectone_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.exe (Jan 2, 2019, 5:2
INFO: Detected dialect: W3C
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js, line 1: Typ
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/page/dashboard.min.js,
JavaScript error: https://atozgroceries.com/admin/users/tab?token=e4da3b7fbbce2345d7772b
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js, line 1: Typ
JavaScript error: https://atozgroceries.com/admin/users/new?token=c4ca4238a0b923820dcc50
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js, line 1: Typ
Please fill out this field.
JavaScript error: https://atozgroceries.com/admin/users/tab?token=d3d9446802a44259755d38
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js, line 1: Typ
Newly added User record present in DB
JavaScript error: javascript:script(0), line 1: ReferenceError: script is not defined
JavaScript error: https://atozgroceries.com/admin/users/tab?token=1679091c5a880faf6fb5e6
JavaScript error: https://atozgroceries.com/assets/admin/dist/js/app.min.js, line 1: Typ
Successfully deleted Newly added User record in DB
1546430068046   Marionette      INFO    Stopped listening on port 56618
[Child 4832, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/build/src/ipc/c
[Parent 12036, Gecko_IOThread] WARNING: pipe error: 109: file z:/build/build/src/ipc/chr
[Child 14128, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/build/src/ipc/
[Child 13672, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/build/src/ipc/
[Child 13672, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build/build/src/ipc/
[RDD 10028, Chrome_ChildThread] WARNING: pipe error: 109: file z:/build[GPU 12836, Chrom
===============================================
Suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

Browser screen shots for each step

Login screen


LoginPage-Wed Jan 02 17-24-06 IST 2019.jpg - 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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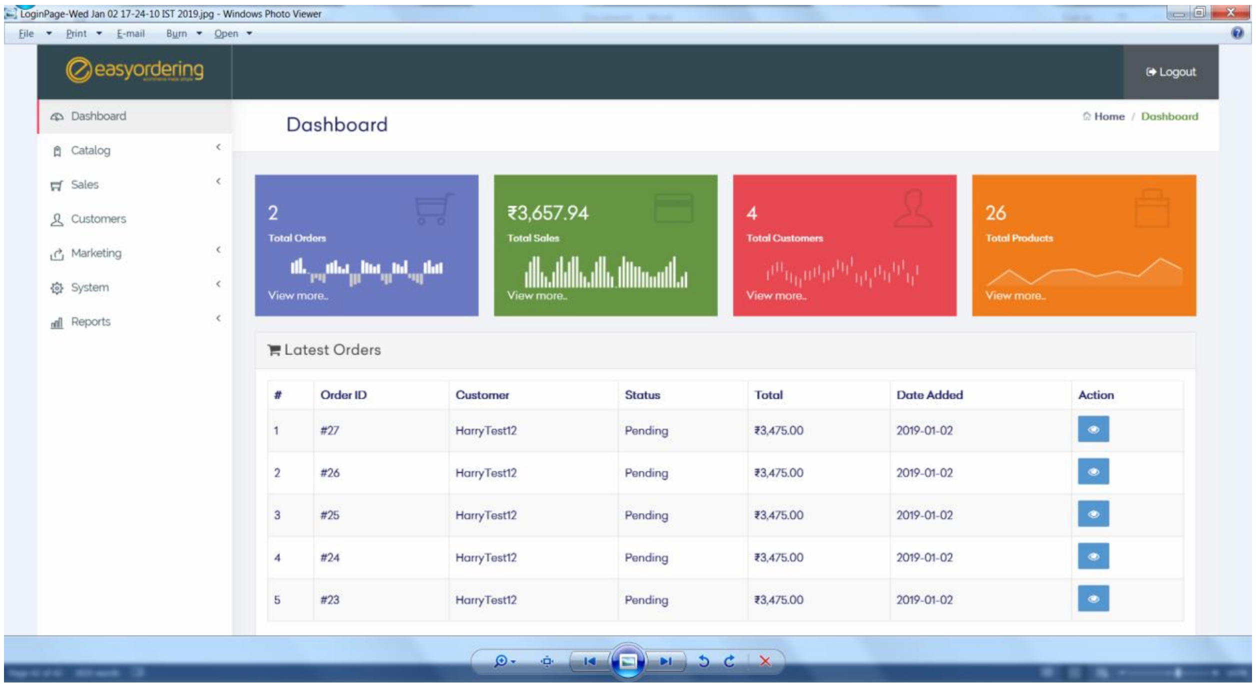
Powered by A&S Technologies

DashBoard



Dashboard

2 Total Orders View more..

₹3,657.94 Total Sales View more..

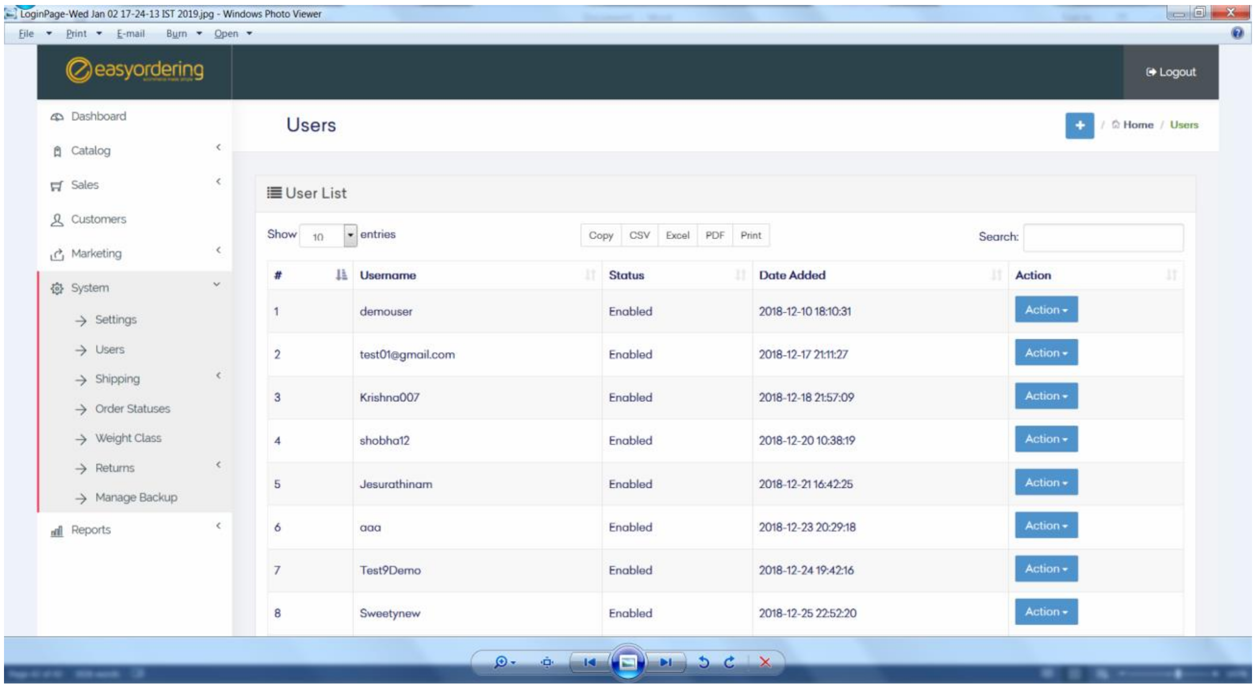
4 Total Customers View more..

26 Total Products View more..

Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#27	HarryTest12	Pending	₹3,475.00	2019-01-02	👁
2	#26	HarryTest12	Pending	₹3,475.00	2019-01-02	👁
3	#25	HarryTest12	Pending	₹3,475.00	2019-01-02	👁
4	#24	HarryTest12	Pending	₹3,475.00	2019-01-02	👁
5	#23	HarryTest12	Pending	₹3,475.00	2019-01-02	👁

User screen



LoginPage-Wed Jan 02 17-24-13 IST 2019.jpg - Windows Photo Viewer

easyordering | Logout

Dashboard | Catalog | Sales | Customers | Marketing | System | Settings | Users | Shipping | Order Statuses | Weight Class | Returns | Manage Backup | Reports

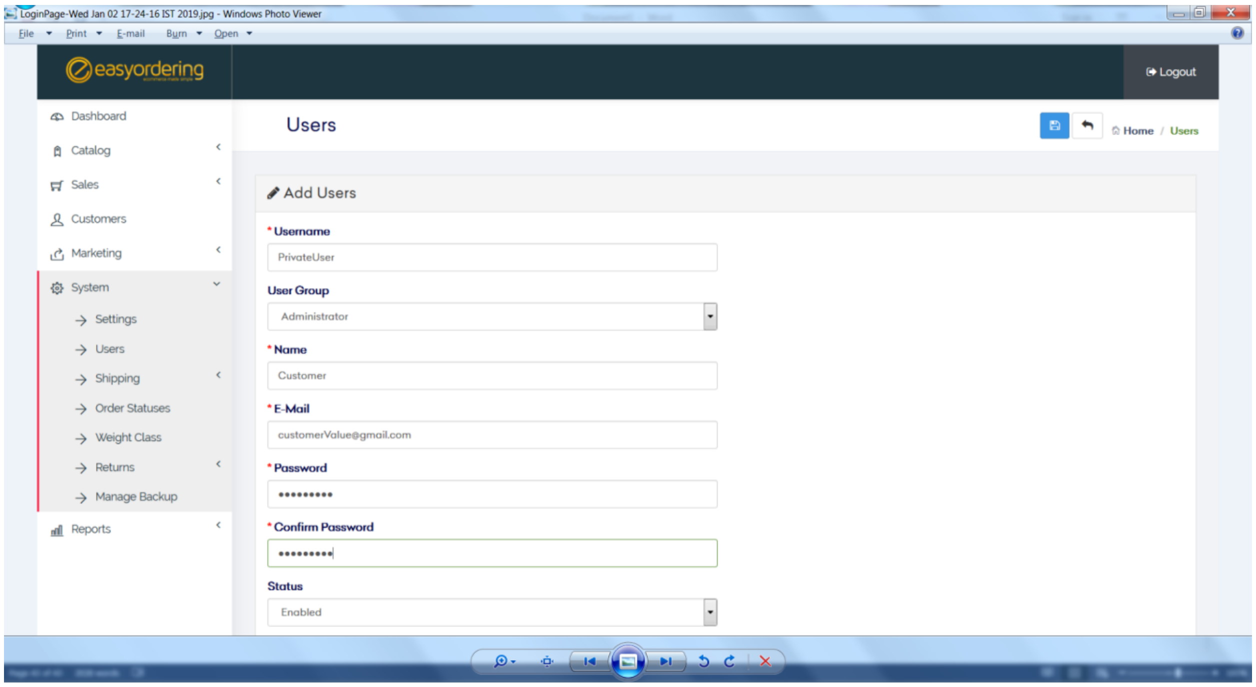
Users — Home / Users

User List

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

#	Username	Status	Date Added	Action
1	demouser	Enabled	2018-12-10 18:10:31	Action
2	test01@gmail.com	Enabled	2018-12-17 21:11:27	Action
3	Krishna007	Enabled	2018-12-18 21:57:09	Action
4	shobha12	Enabled	2018-12-20 10:38:19	Action
5	Jesurathinam	Enabled	2018-12-21 16:42:25	Action
6	aaa	Enabled	2018-12-23 20:29:18	Action
7	Test9Demo	Enabled	2018-12-24 19:42:16	Action
8	Sweetynew	Enabled	2018-12-25 22:52:20	Action

Add user screen



LoginPage-Wed Jan 02 17-24-16 IST 2019.jpg - Windows Photo Viewer

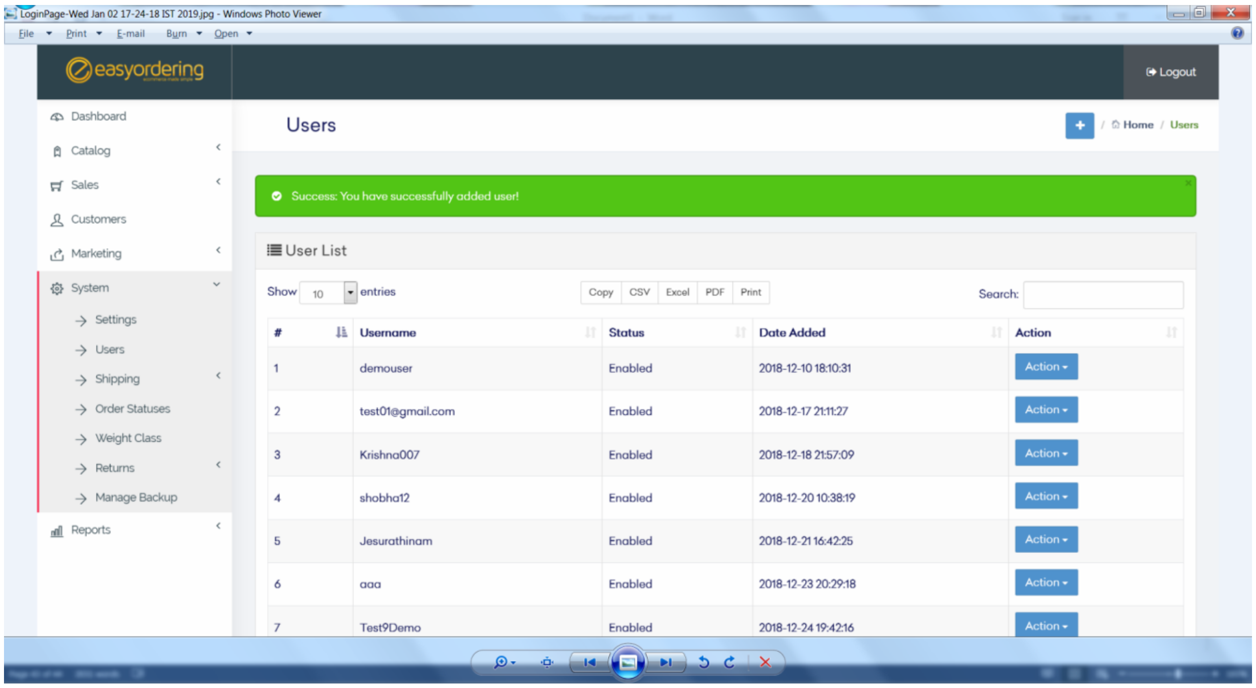
easyordering | Logout

Users — Home / Users

Add Users

* Username	PrivateUser
User Group	Administrator
* Name	Customer
* E-Mail	customerValue@gmail.com
* Password	•••••••••
* Confirm Password	•••••••••
Status	Enabled

Add user success message


LoginPage-Wed Jan 02 17-24-18 IST 2019.jpg - Windows Photo Viewer

Users

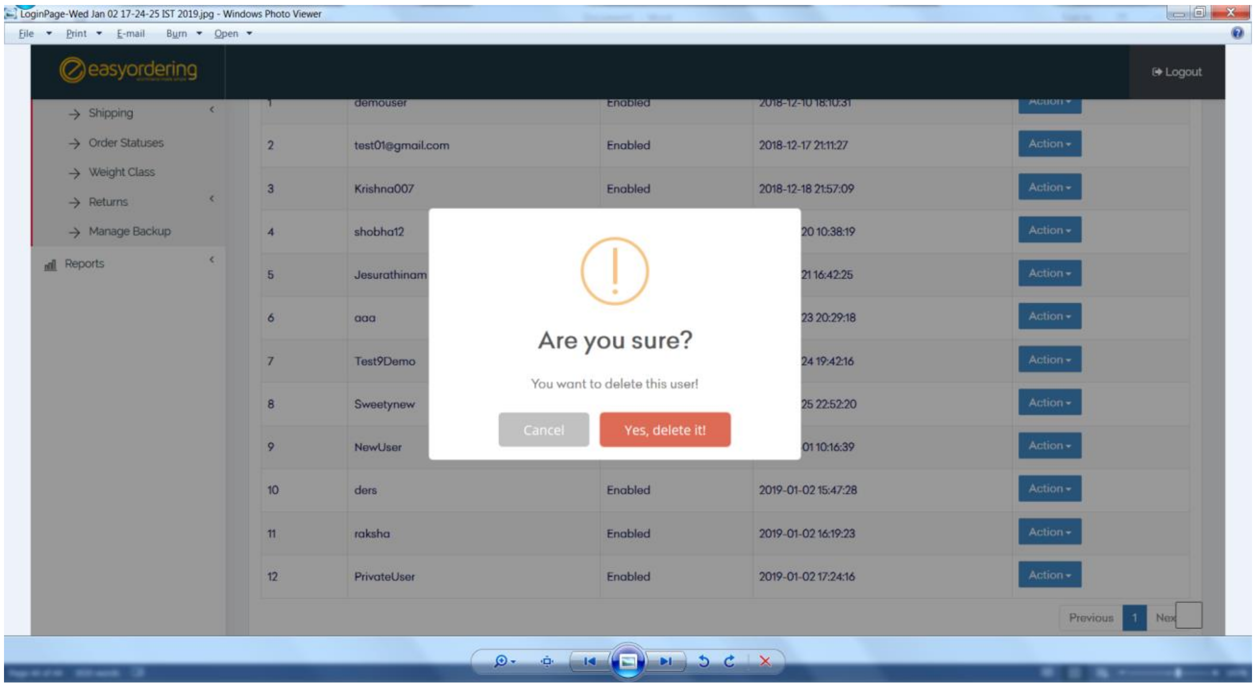
Success: You have successfully added user!

User List

Show 10 entries

#	Username	Status	Date Added	Action
1	demouser	Enabled	2018-12-10 18:10:31	Action
2	test01@gmail.com	Enabled	2018-12-17 21:11:27	Action
3	Krishna007	Enabled	2018-12-18 21:57:09	Action
4	shobha12	Enabled	2018-12-20 10:38:19	Action
5	Jesurathinam	Enabled	2018-12-21 16:42:25	Action
6	aaa	Enabled	2018-12-23 20:29:18	Action
7	Test9Demo	Enabled	2018-12-24 19:42:16	Action

Delete newly added user from table


LoginPage-Wed Jan 02 17-24-25 IST 2019.jpg - Windows Photo Viewer

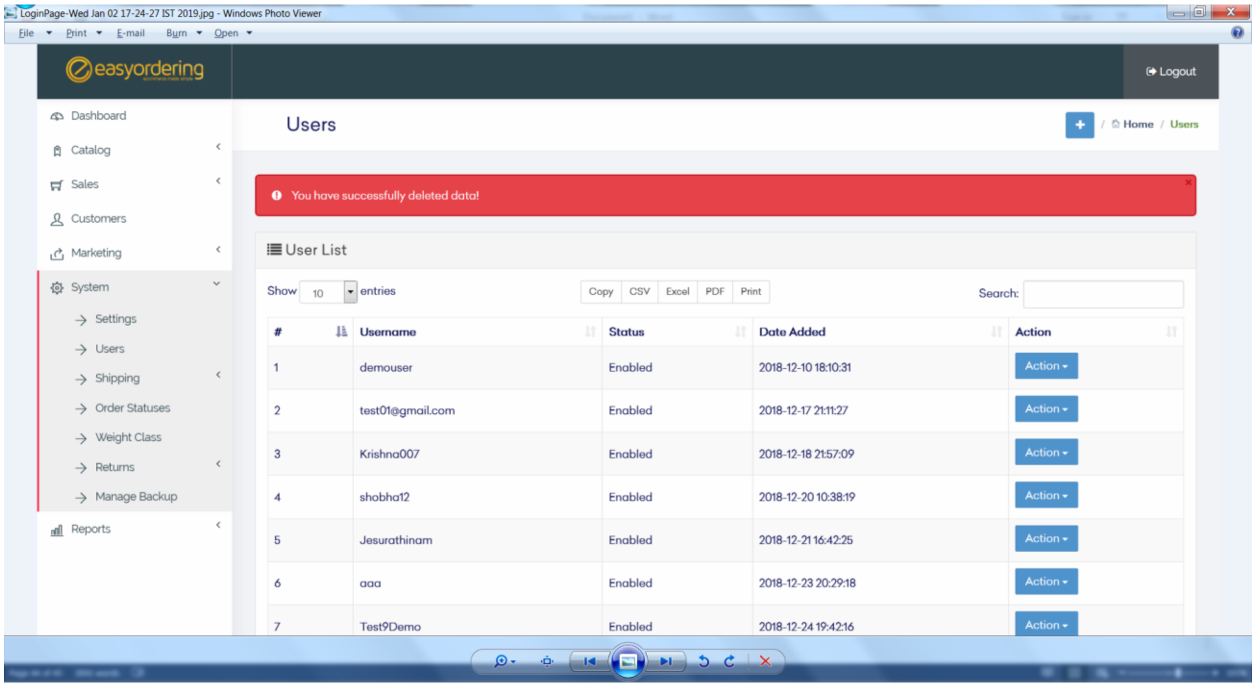
1	demouser	Enabled	2018-12-10 18:10:31	Action
2	test01@gmail.com	Enabled	2018-12-17 21:11:27	Action
3	Krishna007	Enabled	2018-12-18 21:57:09	Action
4	shobha12		20 10:38:19	Action
5	Jesurathinam		21 16:42:25	Action
6	aaa		23 20:29:18	Action
7	Test9Demo		24 19:42:16	Action
8	Sweetynew		25 22:52:20	Action
9	NewUser		01 10:16:39	Action
10	ders	Enabled	2019-01-02 15:47:28	Action
11	raksha	Enabled	2019-01-02 16:19:23	Action
12	PrivateUser	Enabled	2019-01-02 17:24:16	Action

Are you sure?

You want to delete this user!

Cancel | Yes, delete it!

Successfully deleted newly added user from table


LoginPage-Wed Jan 02 17-24-27 IST 2019.jpg - Windows Photo Viewer

Users

You have successfully deleted data!

User List

Show 10 entries

#	Username	Status	Date Added	Action
1	demouser	Enabled	2018-12-10 18:10:31	Action
2	test01@gmail.com	Enabled	2018-12-17 21:11:27	Action
3	Krishna007	Enabled	2018-12-18 21:57:09	Action
4	shobha12	Enabled	2018-12-20 10:38:19	Action
5	Jesurathinam	Enabled	2018-12-21 16:42:25	Action
6	aaa	Enabled	2018-12-23 20:29:18	Action
7	Test9Demo	Enabled	2018-12-24 19:42:16	Action

```
Test Case passed
```

```
Emailable report
```

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	32,014		

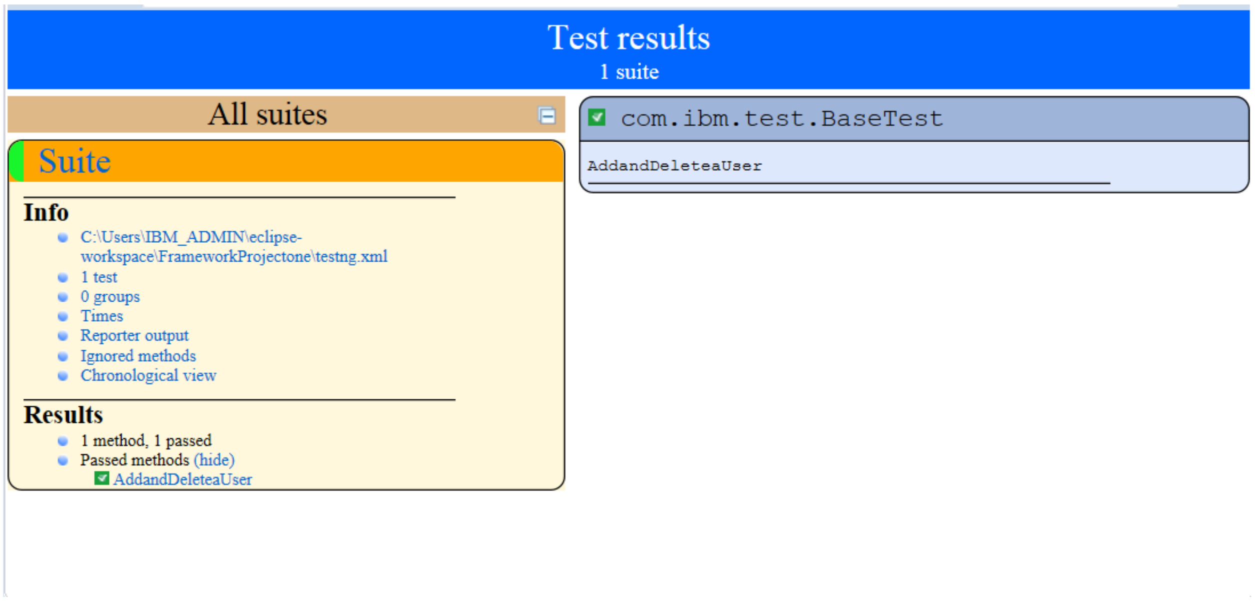
Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.BaseTest	AddandDeleteaUser	1546430044646	23362

Test

com.ibm.test.BaseTest#AddandDeleteaUser

back to summary

```
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)
  ✓ AddandDeleteaUser

✓ com.ibm.test.BaseTest

AddandDeleteaUser

Test Case pass