

2.1 TC005

Edit Weight Class	1. Navigate to Systems section, returns Option 2. Choose Weight Class 3. Under action button of Weight Class, choose Edit 4. Fill all the details except weight unit	1. Click the save icon and verify it is on the same page 2. Try to get the tooltip message "Please fill out this fields." and assert the message Negative test case validation
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2.2 Coding

AdminPage.java

```
package com.ibm.pages;
```

```
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.support.FindBy;  
import org.openqa.selenium.support.How;  
import org.openqa.selenium.support.PageFactory;  
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
public class AdminPage {  
    @FindBy(how=How.NAME,using="email")WebElement emailEle;  
    @FindBy(how=How.NAME,using="pword")WebElement passEle;  
    @FindBy(how=How.XPATH,using="//button[@class='btn btn-labeled btn-info m-b-5']")WebElement loginEle;  
    WebDriverWait wait;  
    WebDriver driver;  
  
    public AdminPage(WebDriver driver,WebDriverWait wait) {  
        PageFactory.initElements(driver, this);  
    }  
}
```

```

        this.driver=driver;

        this.wait=wait;
    }

    public AdminPage enterEmailAddress(String uname)
    {
        emailEle.sendKeys(uname);

        return this;
    }

    public AdminPage enterPassword(String pwd)
    {
        passEle.sendKeys(pwd);

        return this;
    }

    public void clickOnLogin()
    {
        loginEle.click();
    }

}

```

SystemPage.java

```

package com.ibm.pages;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.How;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.WebDriverWait;

```

```

public class SystemPage {

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][17]")WebElement system;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][26]")WebElement returns;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][27]")WebElement
returnsStatuses;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][25]")WebElement
weightClass;

    WebDriverWait wait;

    WebDriver driver;

    public SystemPage(WebDriver driver,WebDriverWait wait) {

        PageFactory.initElements(driver, this);

        this.driver=driver;

        this.wait=wait;

    }

    public void clickSystem()

    {

        system.click();

    }

    public void clickWeightClass()

    {

        weightClass.click();

    }

    public void clickReturns()

    {

        returns.click();

    }

    public void clickReturnStatuses()

    {

```

```

        returnsStatuses.click();
    }

}

```

SystemWeightClass.java

```

package com.ibm.pages;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.How;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class SystemWeightClassPage {

    @FindBy(how=How.XPATH,using="//table[@id='dataTableExample2']/tbody/tr/td[5]")WebElement table;

    @FindBy(how=How.XPATH,using="//button[@class='btn dropdown-toggle btn-primary']")WebElement action;

    @FindBy(how=How.XPATH,using="//a[@title='Edit']")WebElement edit;

    @FindBy(how=How.XPATH,using="(//input[@class='form-control'])[2]")WebElement weightUnit;

    @FindBy(how=How.XPATH,using="//button[@title='Save']")WebElement save;

    @FindBy(how=How.XPATH,using="//*[@id=\"page-wrapper\"]/div/form/div[2]/div/div/div[1]/div/h4")WebElement verifyPage;

    By validation =By.xpath("//*[@id=\"page-wrapper\"]/div/form/div[2]/div/div/div[1]/div/h4");

    WebDriver driver;

    WebDriverWait wait;

```

JavascriptExecutor js;

```
        public SystemWeightClassPage(WebDriver driver,WebDriverWait wait) {
            PageFactory.initElements(driver, this);
            this.driver=driver;
            this.wait=wait;
        }
        public void clickTable()
        {
            table.click();
        }
        public void clickActionButton()
        {
            action.click();
        }
        public void clickEdit()
        {
            edit.click();
        }
        public void clearWeightUnit()
        {
            weightUnit.clear();
        }
        public void clickSave()
        {
            save.click();
        }
        public String getPageSrcttoVerifypage()
        {
            //            System.out.println("Verified it is on the same page :"+text);
            wait.until(ExpectedConditions.presenceOfElementLocated(validation));

            return verifyPage.getText();
        }
    }
}
```

```

    }

    public String getValidationForNoWeightUnit()

    {

        String tooltipmessage= "return
document.getElementsByName('unit')[0].validationMessage";

        return ((JavascriptExecutor)
driver).executeScript(tooltipmessage).toString();

    }

}

```

TC005.java

```

package com.ibm.test;

import java.io.IOException;

import java.util.HashMap;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

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

import org.testng.Assert;

import org.testng.Reporter;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.BeforeSuite;

import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;

import com.ibm.pages.SystemPage;

import com.ibm.pages.SystemWeightClassPage;

```

```
import com.ibm.utilities.PropertiesFileHandler;
```

```
public class TC005 {
```

```
    WebDriver driver;
```

```
    WebDriverWait wait;
```

```
    PropertiesFileHandler propFileHandler;
```

```
    HashMap<String, String> data;
```

```
    @BeforeSuite
```

```
    public void preSetForTest() throws IOException {
```

```
        String file = "./TestData/data.properties";
```

```
        propFileHandler = new PropertiesFileHandler();
```

```
        data = propFileHandler.getPropertiesAsMap(file);
```

```
    }
```

```
    @BeforeMethod
```

```
    public void Initialization() {
```

```
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
```

```
        driver = new ChromeDriver();
```

```
        wait = new WebDriverWait(driver, 60);
```

```
        driver.manage().window().maximize();
```

```
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
```

```
    }
```

```
    /*@AfterMethod
```

```
    public void closeBrowser() {
```

```
        driver.quit();
```

```
    }*/
```

```

@Test(testName = "NegativeValidationReturnStatuses")
public void testCase5() throws IOException, InterruptedException {

    String url = data.get("url");

    String userName = data.get("uname");
    String password = data.get("pwd");
    String negativeValidation=data.get("weightClassText");
    String tooltip = data.get("toolTipMessage");

    driver.get(url);

    AdminPage admin = new AdminPage(driver, wait);
    admin.enterEmailAddress(userName);
    admin.enterPassword(password);
    admin.clickOnLogin();

    SystemPage sp=new SystemPage(driver,wait);
    sp.clickSystem();
    sp.clickWeightClass();

    SystemWeightClassPage swcp=new
SystemWeightClassPage(driver,wait);

    swcp.clickTable();
    swcp.clickActionButton();
    swcp.clickEdit();
    swcp.clearWeightUnit();
    swcp.clickSave();

    String texttoVerifypage = swcp.getPageSrcctoVerifypage();

```



```
Assert.assertTrue(texttoVerifyPage.contains(negativeValidation), "Assertion on required field Message");
```

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

```
String validationForNoWeightUnit =  
swcp.getValidationForNoWeightUnit();
```

```
System.out.println("Tooltip message is: "  
+validationForNoWeightUnit);
```

```
Assert.assertTrue(validationForNoWeightUnit.contains(tooltip), "Assertion on required field Message");
```

```
Reporter.log("Verified the tooltip Message");
```

```
}
```

```
}
```

2.3 Explanation of the code

1. Created a AdminLoginPage, SystemPage and SystemWeightClassPage using Page object model where implemented Page factory concept as well.

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

3. SystemPage clicking on System and WeightClass and navigating to the table. Navigating to the rows and clicked on edit button under the action tab.

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

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

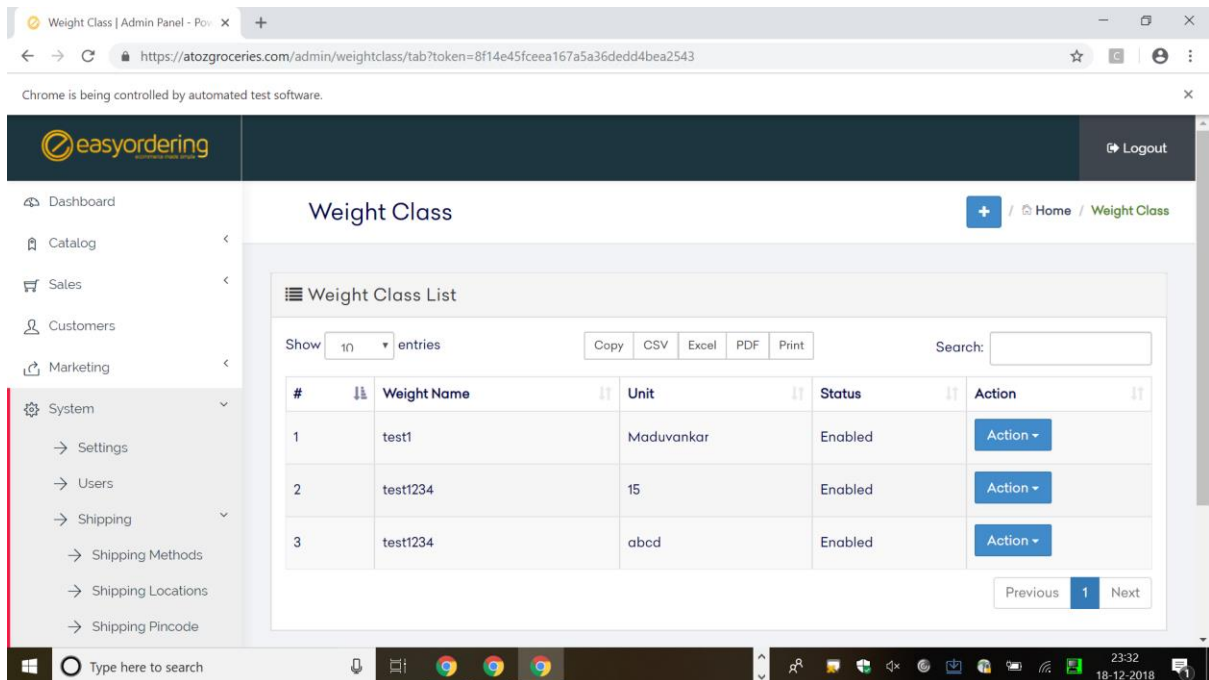
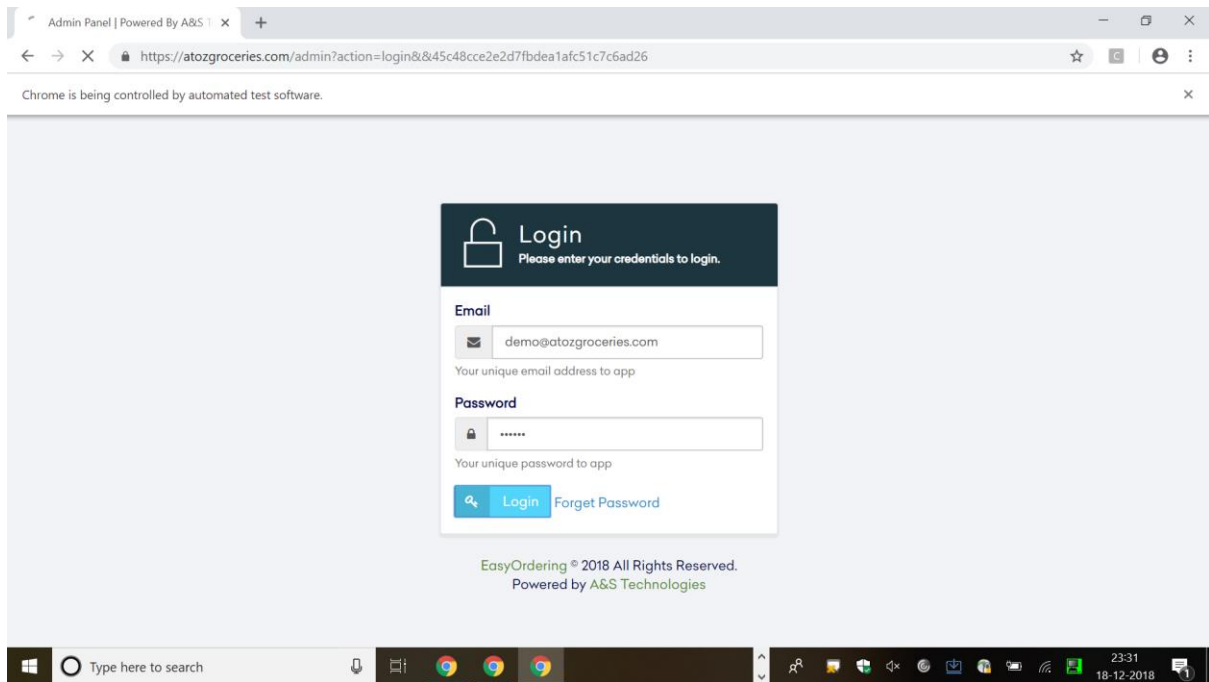
7. Values are sending from data.properties file using hashmap concept key and value pair.

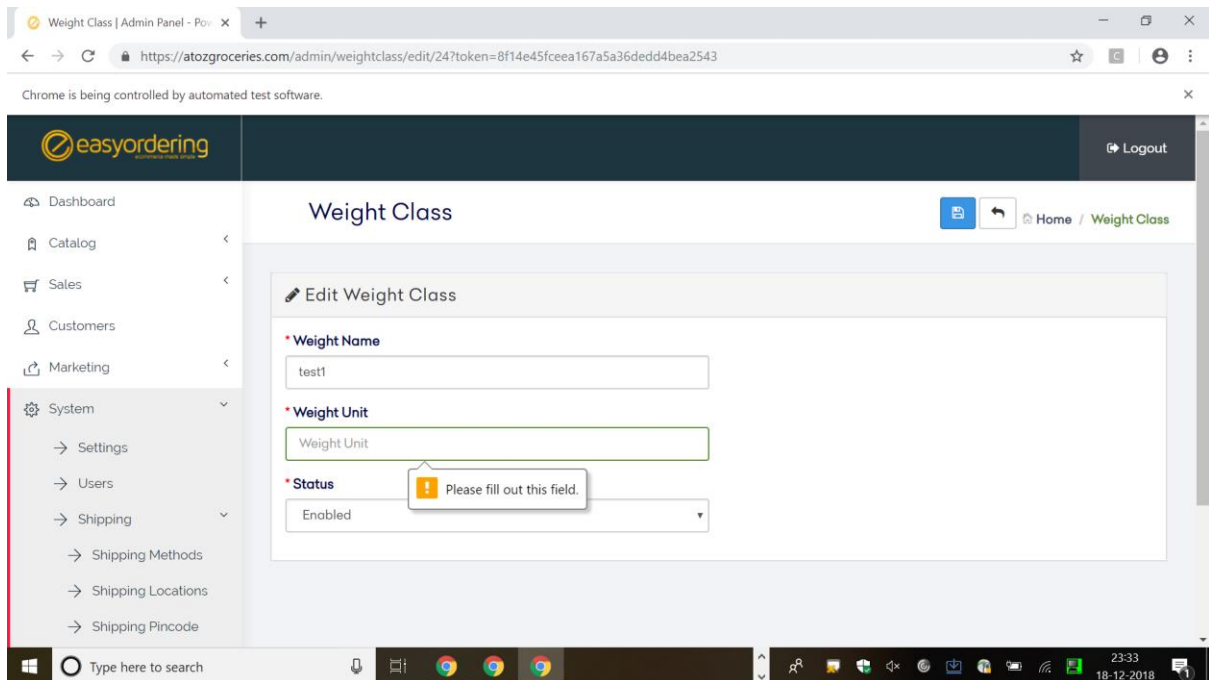
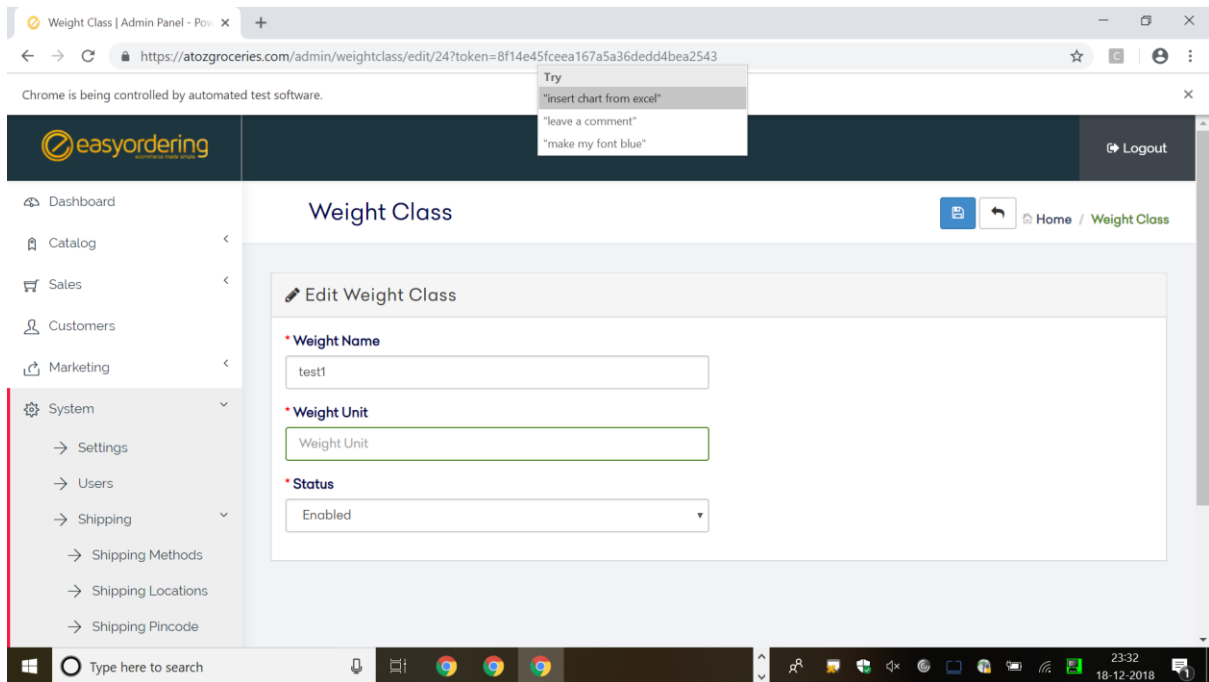
8. Creating object for all the pages and calling all the methods in TC004.java file where implementing @Test.

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

10. Finally attaching the result in htmlreporter.

2.4 Output





[RemoteTestNG] detected TestNG version 6.14.2

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 16284

Only local connections are allowed.

Jan 01, 2019 7:04:48 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

Tooltip message is: Please fill out this field.

PASSED: testCase5

```
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====
```

=====

Default suite

Total tests run: 1, Failures: 0, Skips: 0

=====

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

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
Default test	1	0	0	8,794		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC005	testCase5	1546349689386	4556

Default test

com.ibm.test.TC005#testCase5

Messages
Verified it is on the same page
Verified the tooltip Message

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