

## 2.1 TestCase4

Process	Steps To Execute	Expected Results
Edit Returns Status	1. Navigate to Systems section, returns Option 2. Choose Returns Statuses 3. Under action button of Pending Status, choose Edit 4. Edit the name 5. Click Save without filling status	1. Click the save icon and verify it is on the same page

## 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;

        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 clickReturns()
        {
            returns.click();
        }
        public void clickReturnStatuses()
        {
            returnsStatuses.click();
        }
    }
}

```

## SystemReturnStatusPage.java

```

package com.ibm.pages;

import org.openqa.selenium.By;
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 SystemReturnStatusPage {

    @FindBy(how=How.XPATH,using="//table[@id='dataTableExample2']/tbody/tr[2]/td[3]")WebElement table;
    @FindBy(how=How.XPATH,using="//button[@class='btn dropdown-toggle btn-primary']")[2])WebElement action;
    @FindBy(how=How.XPATH,using="//a[@title='Edit']")[2])WebElement edit;
    @FindBy(how=How.XPATH,using="//input[@name='name']")WebElement editreturnStatus;
    @FindBy(how=How.XPATH,using="//button[@class='btn btn-primary']")WebElement save;

    By validation =By.xpath("//input[@name='name']");
    WebDriver driver;
    WebDriverWait wait;

    public SystemReturnStatusPage(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 clearEditReturnStatus()
    {
        editreturnStatus.clear();
    }
    public void clickSave()
    {
        save.click();
    }
}

    public String getPageSrctoVerifypage()
    {

        wait.until(ExpectedConditions.presenceOfElementLocated(validation));

        return driver.getPageSource();
    }

}

```

## TC004.java

```
package com.ibm.test;
```

```
import java.io.IOException;
```

```
import java.util.HashMap;
```

```
import java.util.concurrent.TimeUnit;
```

```
import org.openqa.selenium.By;
```

```
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.MarketingPushNotificationPage;
```

```
import com.ibm.pages.SystemPage;
```

```
import com.ibm.pages.SystemReturnStatusPage;
```

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

```

public class TC004 {

    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 testCase4() throws IOException {

        try {
            String url = data.get("url");
            String userName = data.get("uname");
            String password = data.get("pwd");
            String
negativeValidation=data.get("returnStatusName");

            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();
            Thread.sleep(3000);
            sp.clickReturns();
            sp.clickReturnStatuses();

            SystemReturnStatusPage srsp=new
SystemReturnStatusPage(driver,wait);
            srsp.clicktable();
        }
    }
}

```

```

        srsp.clickActionButton();
        Thread.sleep(3000);
        srsp.clickEdit();
        srsp.clearEditReturnStatus();
        srsp.clickSave();
        String textToVerifyDeleteTabMsg =
srsp.getPageSrcToVerifyPage();

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

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

    }
    catch (Exception e) {
        System.out.println(e.getMessage());
        Reporter.Log("Verified it is not on the same
page");

        //screenshot
        //throw e;
        //Assert.fail();
    }
}
}

```

## Testng.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite">
    <test thread-count="5" name="Test">
        <classes>
            <!-- <class name="com.ibm.test.BaseTest"/> -->
            <!-- <class name="com.ibm.test.TC001"/> -->
            <!-- <class name="com.ibm.test.TC002"/> -->
            <!-- <class name="com.ibm.test.TC003"/> -->
            <class name="com.ibm.test.TC004"/>
        </classes>
    </test> <!-- Test -->
</suite> <!-- Suite -->

```

## Data.properties

```

url=https://atozgroceries.com/admin
uname=demo@atozgroceries.com
pwd=456789
bannerName=Pavithra
producttitle=Products | Admin Panel - Powered By A&S
nName=easyordering
pushnotificationPageTitle=Push Notification | Admin Panel - Powered By A&S
returnStatusName=Return Status Name

```

## 2.3 Explanation of Code

1. Created a AdminLoginPage, SystemPage and SystemReturnStatusPage 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 return tabs and navigating to the table. Navigating to the rows and clicked on edit button under the action tab.
4. SystemReturnStatusPage clearing the existing name using clear() method and clicking on save without filling mandatory field.
6. Assert the page title to verify whether it is 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 39841
Only local connections are allowed.
Dec 17, 2018 9:05:05 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

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

Dashboard | Admin Panel - Powe x +

https://atozgroceries.com/admin/dashboard?token=a87ff679a2f3e71d9181a67b7542122c

Chrome is being controlled by automated test software.



Logout

Dashboard

Home / Dashboard

Dashboard

Catalog

Sales

Customers

Marketing

System

Reports

0

Total Orders

View more..

₹1,065.90

Total Sales

View more..

0

Total Customers


View more..

162

Total Products

View more..

Latest Orders

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


Type here to search

21:10 17-12-2018

Return Status | Admin Panel - Powe x +

https://atozgroceries.com/admin/returnstatus/tab?token=d3d9446802a44259755d38e6d163e820

Chrome is being controlled by automated test software.



Logout

Marketing

System

→ Settings

→ Users

→ Shipping

→ Order Statuses

→ Weight Class

→ Returns

→ Return Statuses

→ Return Actions

→ Return Reasons

→ Manage Backup

Show 10 entries

Copy CSV Excel PDF Print

Search:

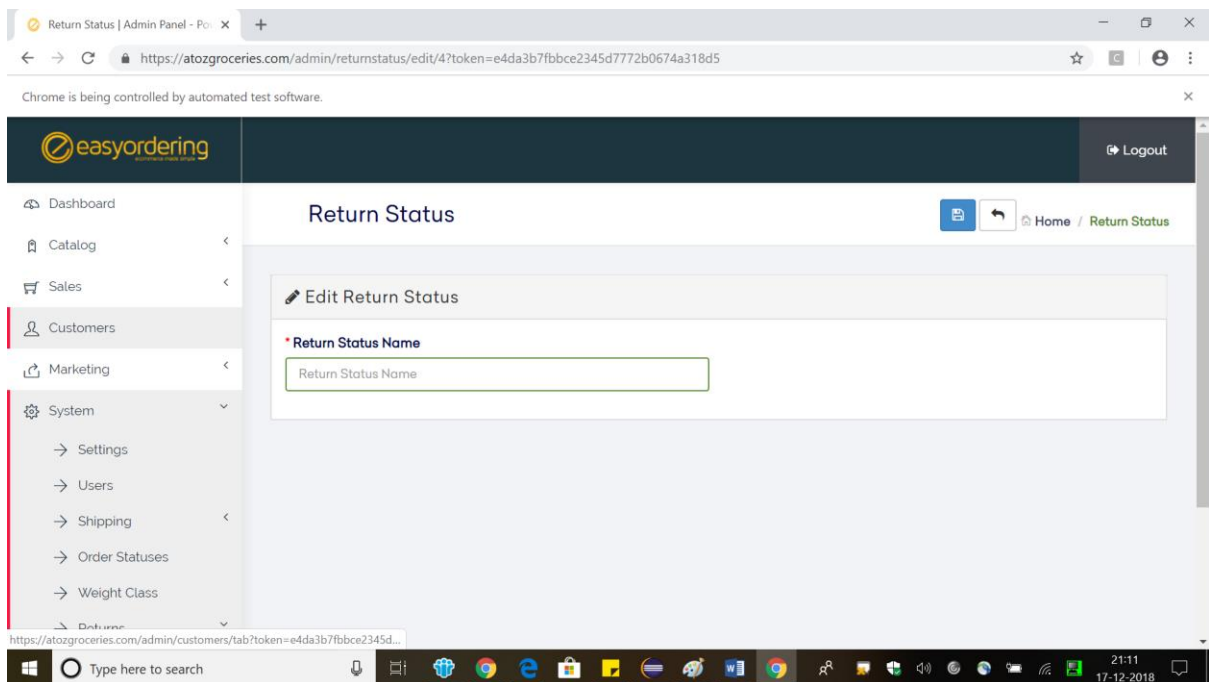
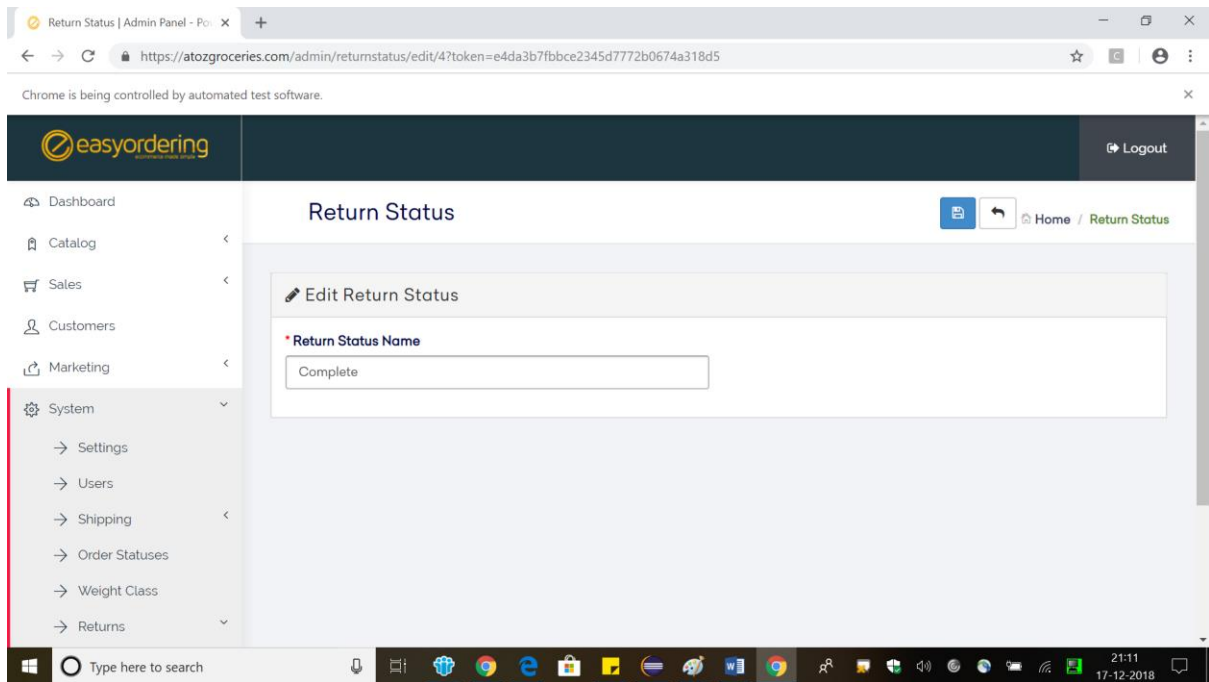
#	Return Status Name	Action
1	jdhfjs	Action ▾
2	Complete	Action ▾
3	Pendin	Action ▾
4	<>	Action ▾
5	22	Action ▾

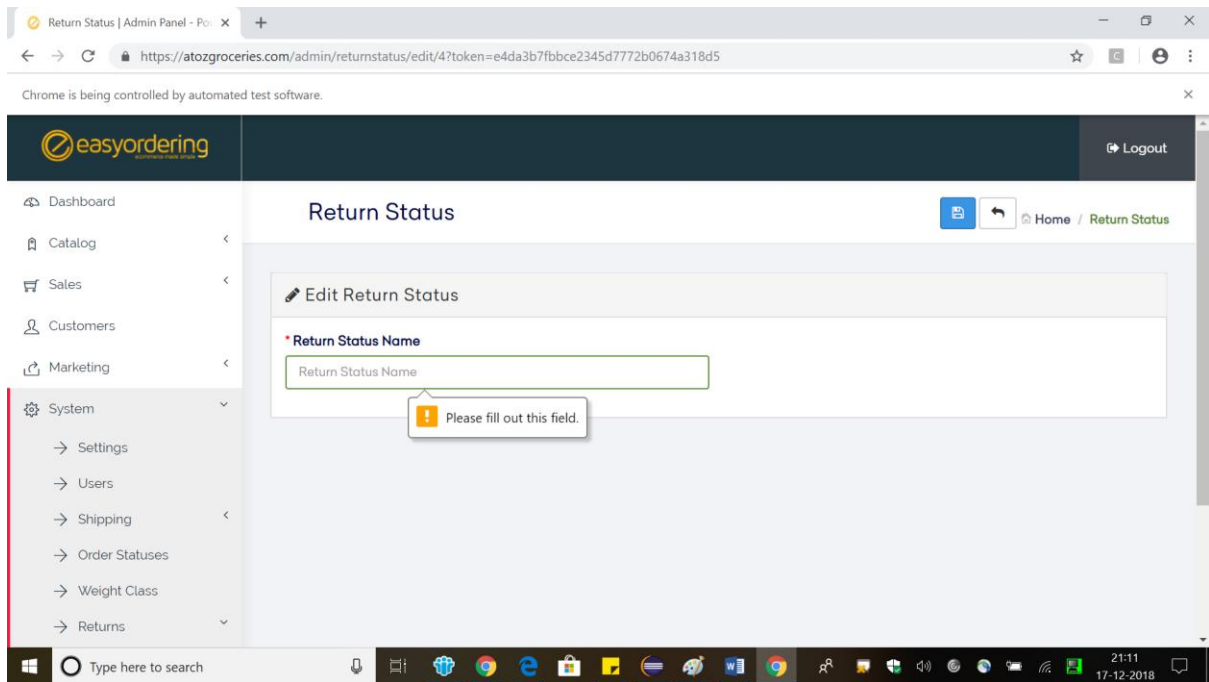
Previous 1 Next

Type here to search

21:11 17-12-2018







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

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
<a href="#">Default test</a>	1	0	0	41,544		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC004	<a href="#">testCase4</a>	1545060698688	37267

## Default test

com.ibm.test.TC004#testCase4

Messages
Verified it is on the same page

[back to summary](#)