

2.1 Test Case 3

Process	Steps To Execute	Expected Results
Edit a new Push Notification under Marketing	1. Login to admin portal 2. Edit notification and remove message. 3. Fill all the details except Message	Click the save icon and verify it is on the same page. Negative test case validation

When Clicking on Edit in push notification it navigates to coupon screen. So as per Balaji comments I worked on Test case to add the Push notification and without entering the mandatory field clicking on the save button and assert it that it remains in 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();

}

}

```

MarketingPushNotificationPage.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 MarketingPushNotificationPage {
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']")[13]WebElement
marketing;
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']")[16]WebElement
pushNotification;
    @FindBy(how=How.XPATH,using="//a[@class=\"btn btn-primary\"]")WebElement add;
    @FindBy(how=How.NAME,using="name")WebElement notificationName;
    @FindBy(how=How.XPATH,using="//button[@class=\"btn btn-primary\"]")WebElement
save;

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

    WebDriverWait wait;
    WebDriver driver;

    public MarketingPushNotificationPage(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
        this.driver=driver;
        this.wait=wait;
    }
    public void clickMarketing()
    {
        marketing.click();
    }
    public void clickPushNotification()
    {
        pushNotification.click();
    }
    public void clickAddButton()
    {
        add.click();
    }
    public void sendNotificationName(String name)
    {
        notificationName.sendKeys(name);
    }
    public void clickSave()
    {
        save.click();
    }
    public String getPageTitleForNegativeValidation()
    {
        wait.until(ExpectedConditions.presenceOfElementLocated(validation));

        return driver.getTitle();
    }
}

```

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"/>
</classes>
</test> <!-- Test -->
</suite> <!-- Suite -->

```

TC003.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.MarketingPushNotificationPage;
import com.ibm.utilities.PropertiesFileHandler;

public class TC003 {
    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 = "NegativeValidationPushNotification")
    public void testCase3() throws IOException {

        try {
            String url = data.get("url");
            String userName = data.get("uname");
            String password = data.get("pwd");
            String notificationName=data.get("nName");
            String
negativeValidation=data.get("pushnotificationPageTitle");
            driver.get(url);

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

            MarketingPushNotificationPage mpnp=new
MarketingPushNotificationPage(driver, wait);
            mpnp.clickMarketing();
            mpnp.clickPushNotification();
            mpnp.clickAddButton();
            mpnp.sendNotificationName(notificationName);
            mpnp.clickSave();
            System.out.println(driver.getTitle());
            String pagetitle =
mpnp.getPagetitleForNegativeValidation();

            Assert.assertTrue(pagetitle.equals(negativeValidation), "Assertion on
negative validation");

            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();
        }

    }
}

```

Data.properties

```

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

```

2.3 Explanation of the code


1. Created a Adminpage and MarketingPushNotificationPage using Page object model where implemented Page factory concept as well.
- 2.AdminLoginPage implemented the methods like uname,pwd and login
- 3.MarketingPushNotificationPage clicking on catalog and Push Notification tab.
- 4.Click on Adding new notification without entering mandatory fields clicking on save .
- 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 TC003.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 Results

```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 33282
Only local connections are allowed.
Dec 15, 2018 10:30:14 PM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected dialect: OSS
Push Notification | Admin Panel - Powered By A&S

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


← → ↻ https://atozgroceries.com/admin?action=login&&a87ff679a2f3e71d9181a67b7542122c



Login


Please enter your credentials to login.

Email


 demo@atozgroceries.com

Your unique email address to app

Password



Your unique password to app

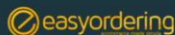
 [Login](#) [Forget Password](#)

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Push Notification | Admin Panel x +

← → ↻ https://atozgroceries.com/admin/pushnotification/tab?token=8f14e45fcee167a5a36dedd4bea2543

Chrome is being controlled by automated test software.



Logout

Dashboard

Catalog

Sales

Customers

Marketing

- Coupons
- Mail
- Push Notification

System





Reports

Push Notification

+ / Home / Push Notification

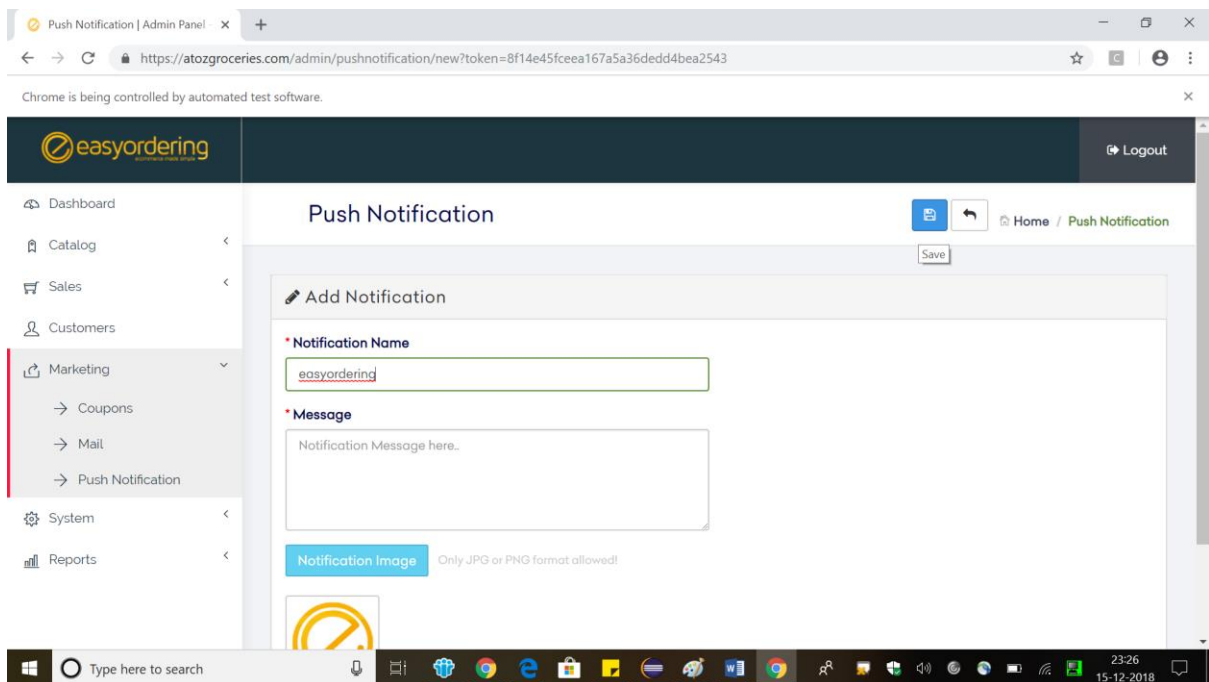
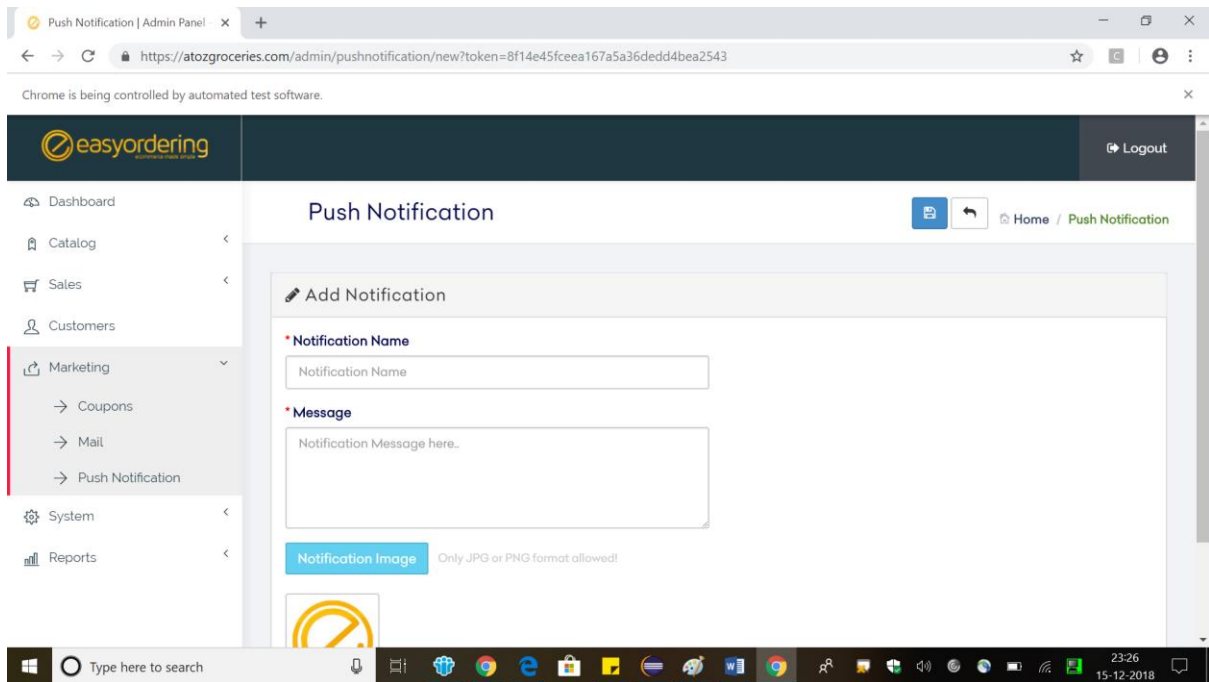
Notification List

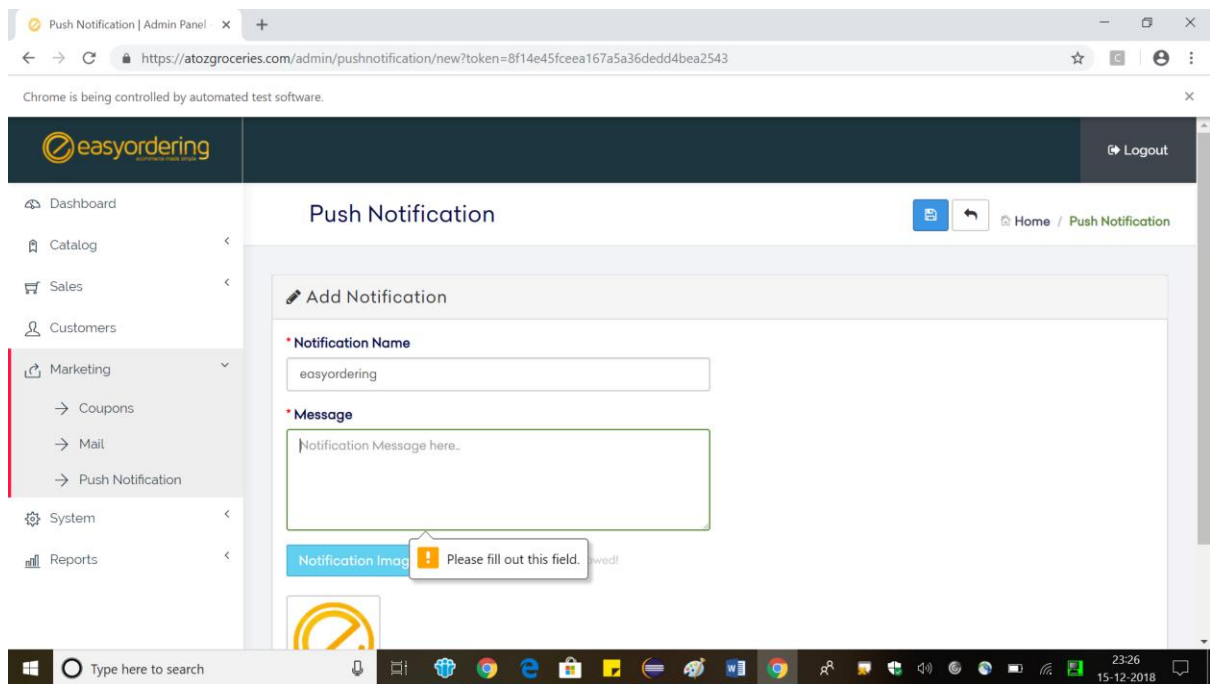
Show 10 entries Copy CSV Excel PDF Print Search:

#	Notification Name	Message	Image	Date Added	Action
1	Offer	Click on this for offers available		2018-12-15 14:55:09	Action
2	Offer	Click on this for offers available		2018-12-15 13:29:43	Action
3	DemoNotification	Adding Notification		2018-12-15 11:59:02	Action
4	a	a		2018-12-14 14:32:05	Action

Type here to search

23:25
15-12-2018





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

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	36,845		

Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.TC003	testCase3	1544886205218	32214

Test

com.ibm.test.TC003#testCase3

Messages
Verified it is on the same page

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