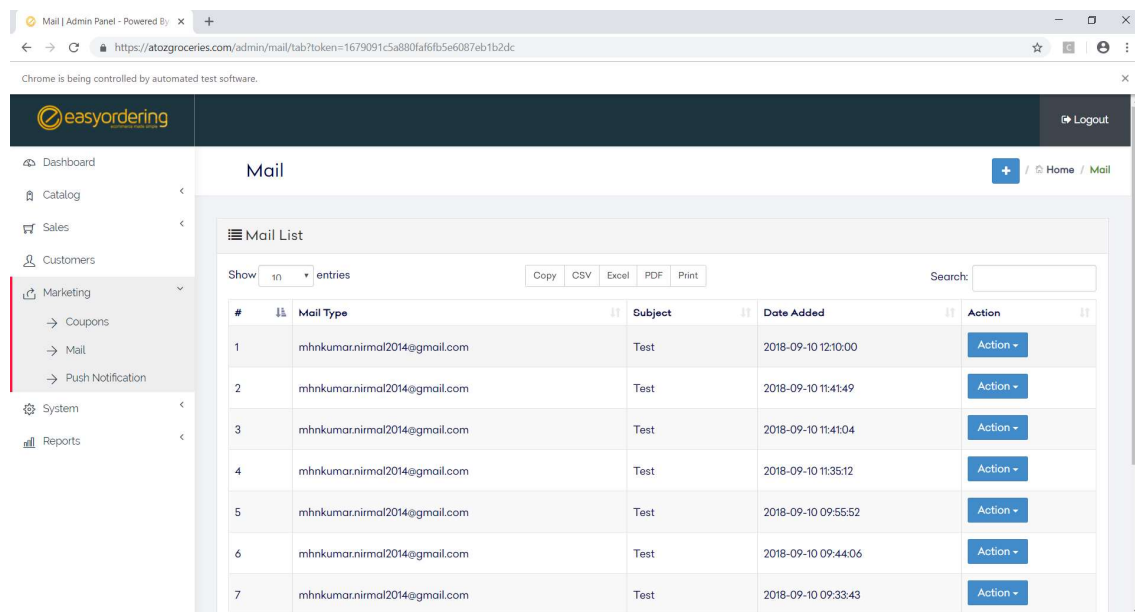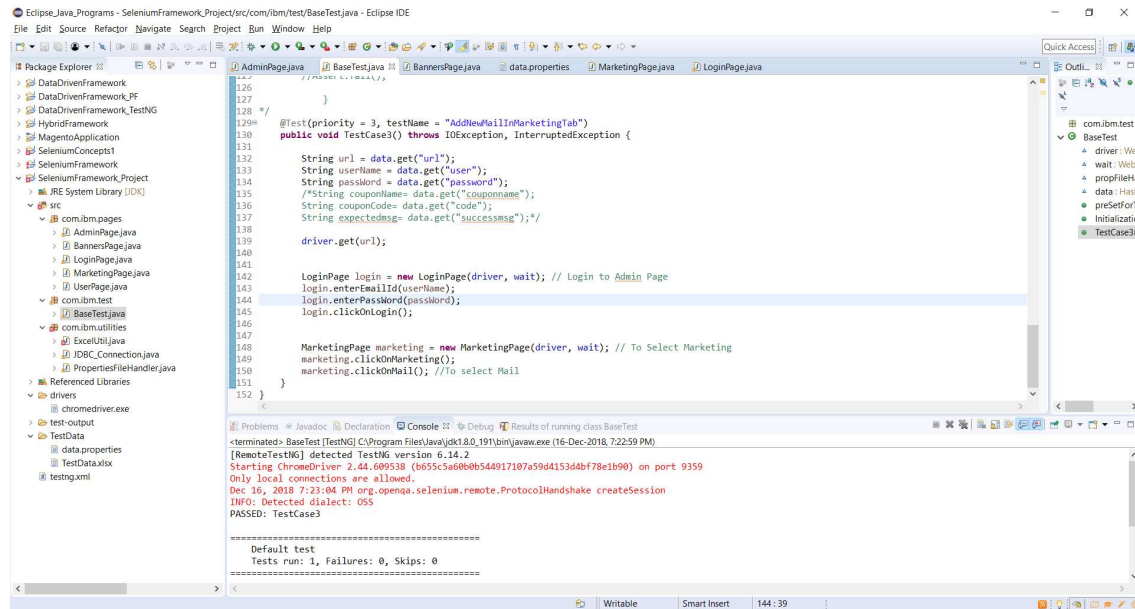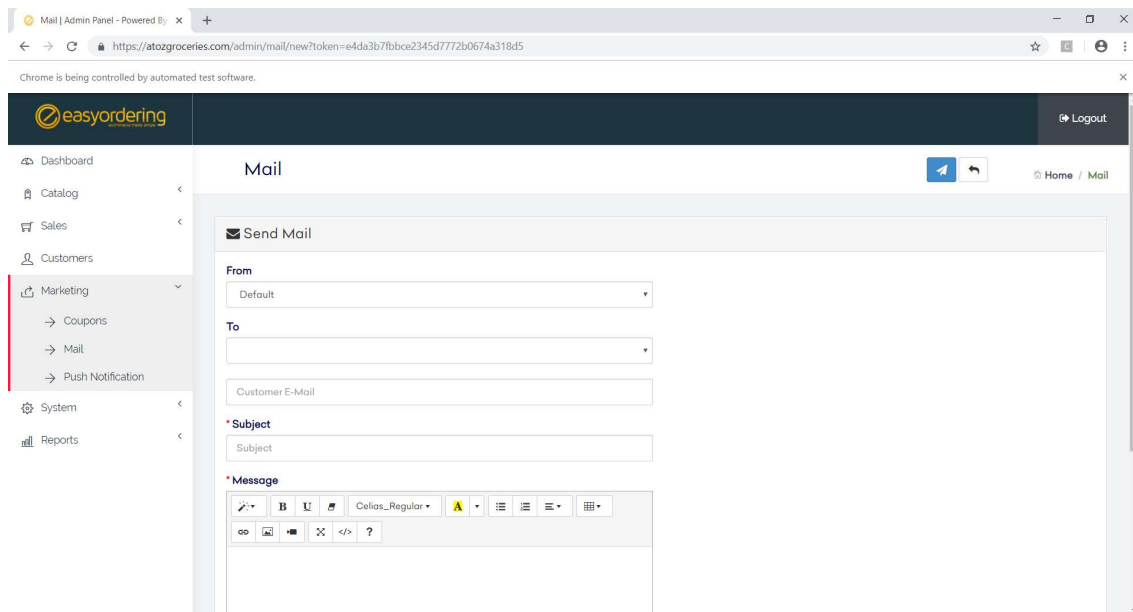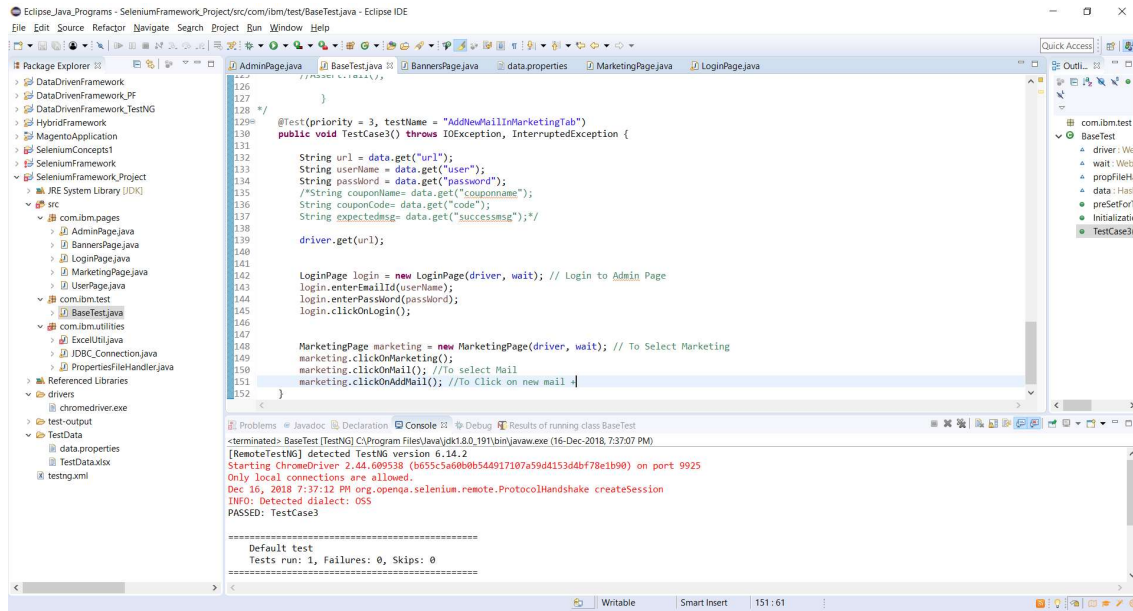# Day3_Test_Case_Solution:
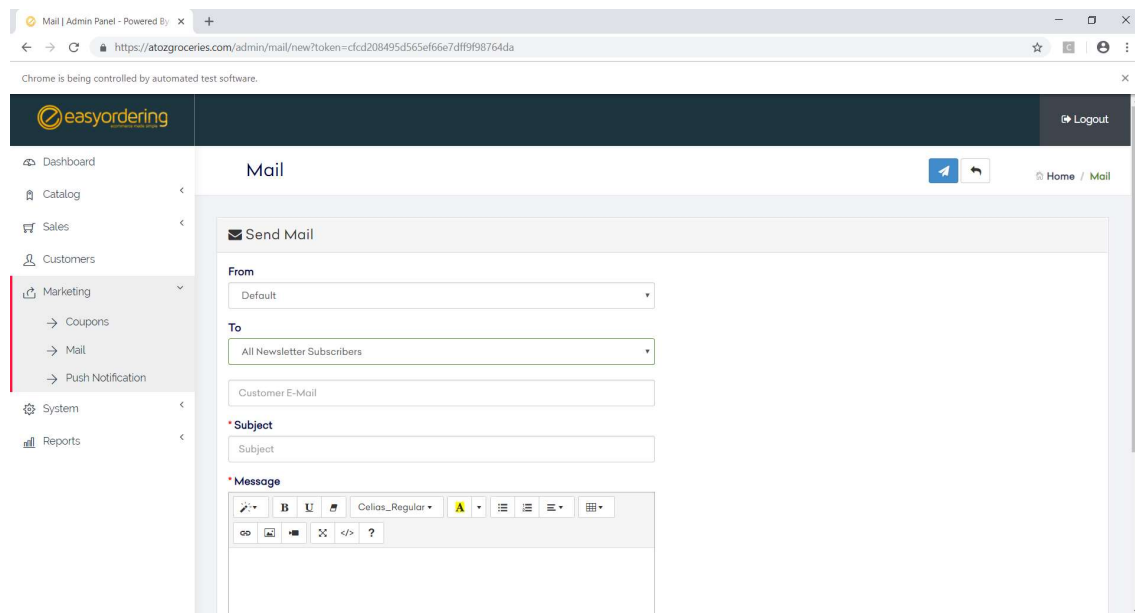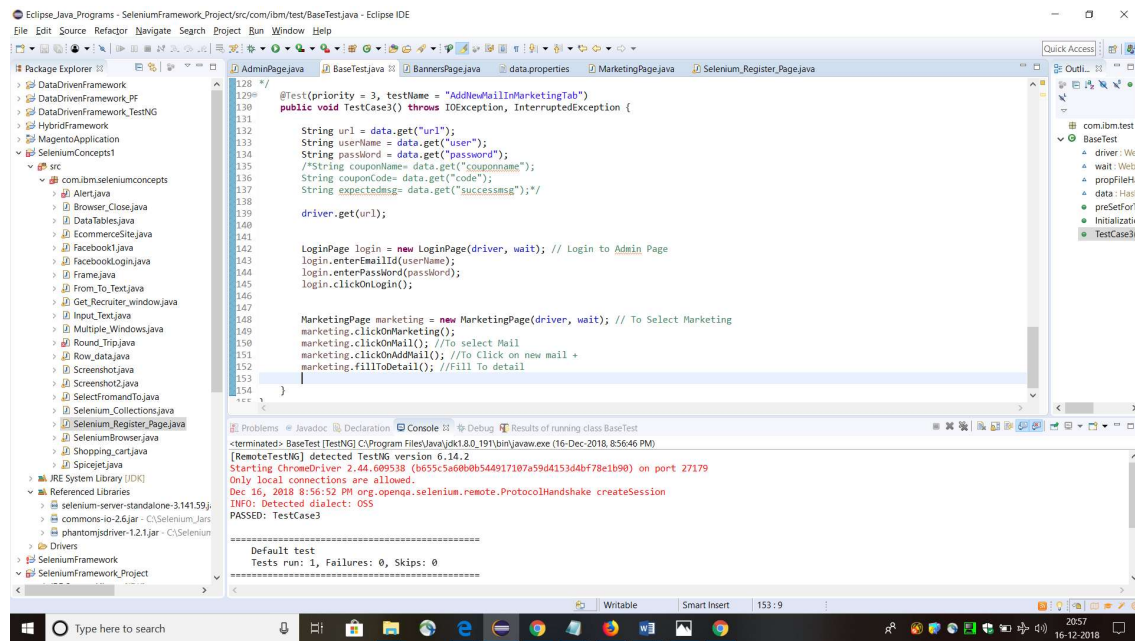
After Login to Admin, To slect Mail in Marketing tab

To add new mail +
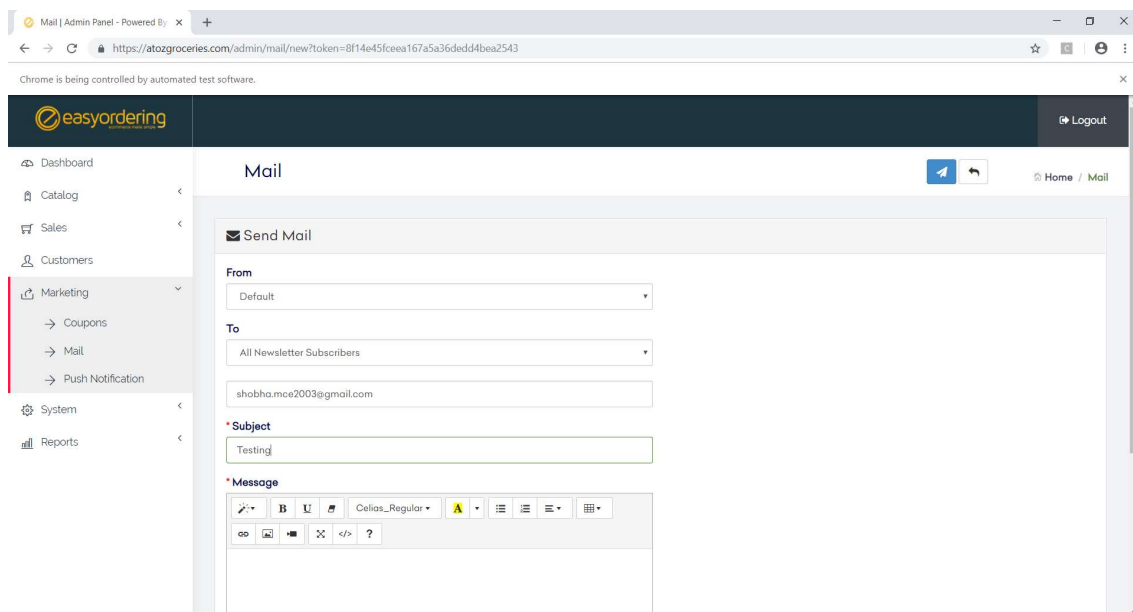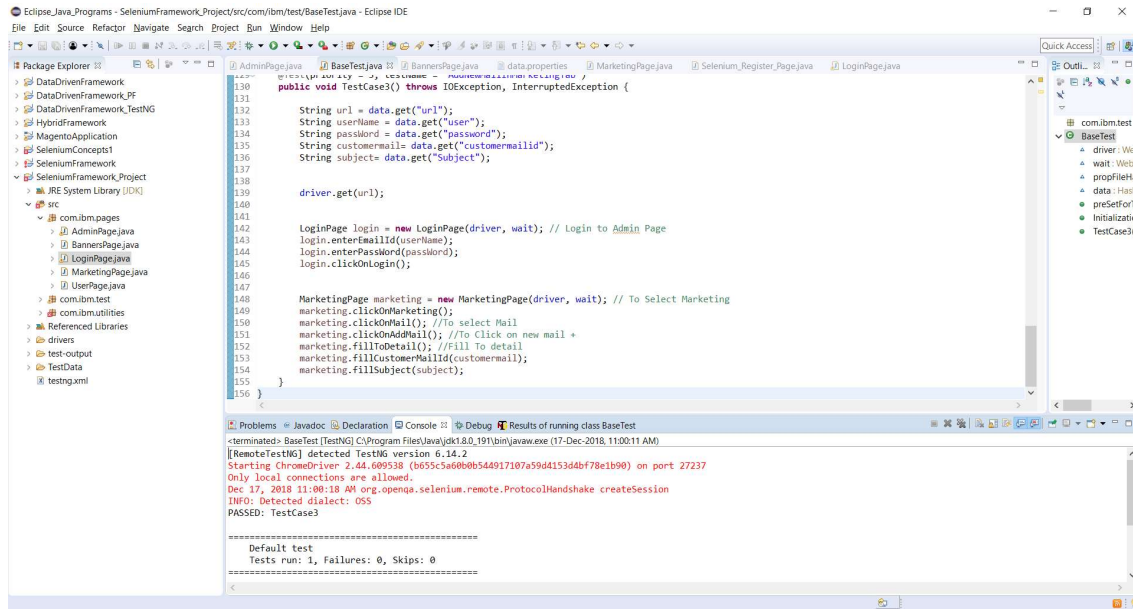
```java
126                }
127            }
128  */
129⊖  @Test(priority = 3, testName = "AddNewMailInMarketingTab")
130  public void TestCase3() throws IOException, InterruptedException {
131
132       String url = data.get("url");
133       String userName = data.get("user");
134       String passWord = data.get("password");
135       /*String couponName = data.get("couponname");
136       String couponCode= data.get("code");
137       String expectedmsg= data.get("successmsg");*/
138
139       driver.get(url);
140
141
142       LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
143       login.enterEmailId(userName);
144       login.enterPassWord(passWord);
145       login.clickOnLogin();
146
147
148       MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing
149       marketing.clickOnMarketing();
150       marketing.clickOnMail(); //To select Mail
151       marketing.clickOnAddMail(); //To Click on new mail +
152  }
```
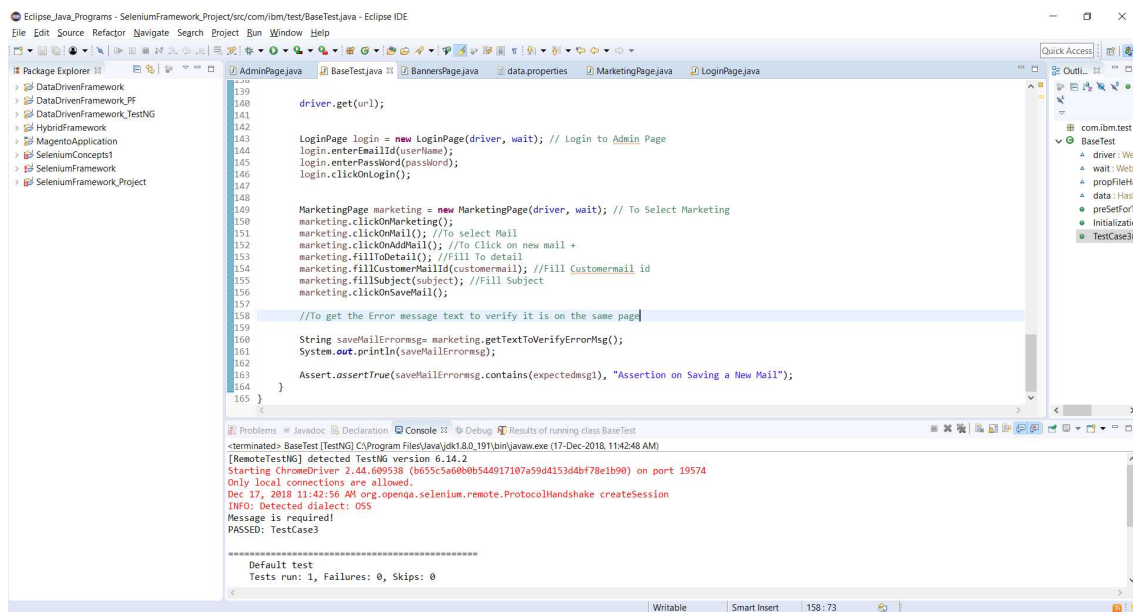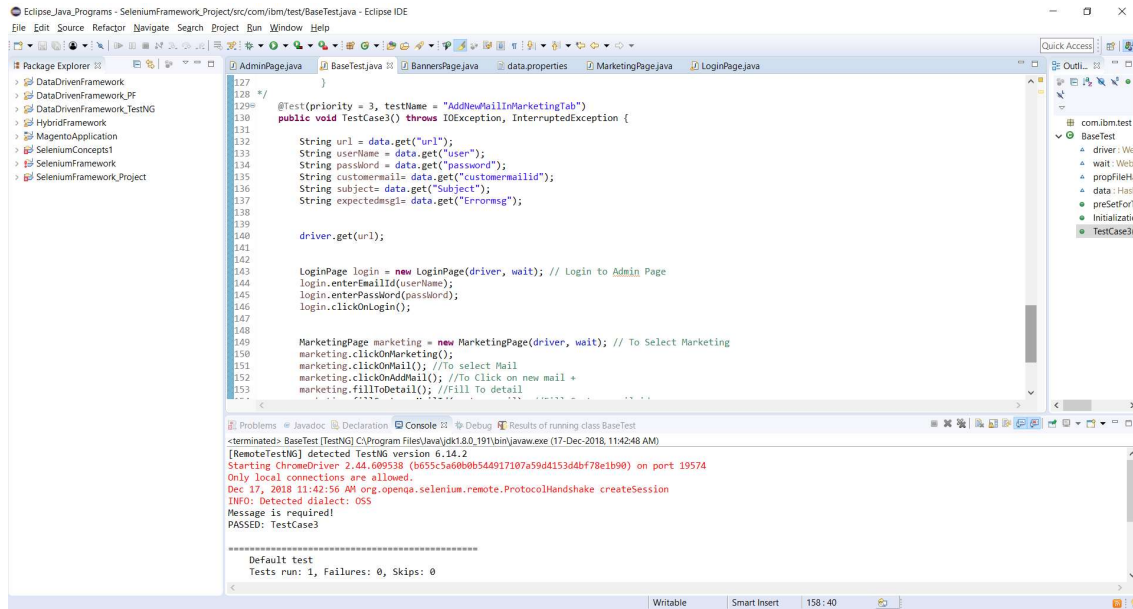
Problems   Javadoc   Declaration   Console ⊠   Debug   Results of running class BaseTest

```
<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (16-Dec-2018, 7:37:07 PM)
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 9925
Only local connections are allowed.
Dec 16, 2018 7:37:12 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
PASSED: TestCase3

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

Writable   Smart Insert   151 : 61

Mail | Admin Panel - Powered By

Chrome is being controlled by automated test software.

https://atozgroceries.com/admin/mail/new?token=e4da3b7fbbce2345d7772b0674a318d5

easyordering

⊕ Logout

Dashboard

Catalog   <

Sales   <

Customers

Marketing   ∨
   → Coupons
   → Mail
   → Push Notification

System   <

Reports   <

Mail   ⌂ Home / Mail

✉ Send Mail

From
Default

To

Customer E-Mail

* Subject
Subject

* Message

B   U   Celias_Regular ▾   A ▾   ≣   ≣   ≣ ▾   ⊞ ▾

∞   🖼   ⊞   ⤢   </>   ?

TO fill To details

```java
128  */
129      @Test(priority = 3, testName = "AddNewMailInMarketingTab")
130      public void TestCase3() throws IOException, InterruptedException {
131
132          String url = data.get("url");
133          String userName = data.get("user");
134          String passWord = data.get("password");
135          /*String couponName= data.get("couponname");
136          String couponCode= data.get("code");
137          String expectedmsg= data.get("successmsg");*/
138
139          driver.get(url);
140
141
142          LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
143          login.enterEmailId(userName);
144          login.enterPassWord(passWord);
145          login.clickOnLogin();
146
147
148          MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing
149          marketing.clickOnMarketing();
150          marketing.clickOnMail(); //To select Mail
151          marketing.clickOnAddMail(); //To Click on new mail +
152          marketing.fillToDetail(); //Fill To detail
153
154      }
```

Console:
```
<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (16-Dec-2018, 8:56:46 PM)
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 27179
Only local connections are allowed.
Dec 16, 2018 8:56:52 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
PASSED: TestCase3

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


To Fill Customermail id and Subject

To Click the save icon and verify it is on the same page

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access

AdminPage.java | BaseTest.java | BannersPage.java | data.properties | MarketingPage.java | LoginPage.java

```java
127         }
128  */
129=    @Test(priority = 3, testName = "AddNewMailInMarketingTab")
130    public void TestCase3() throws IOException, InterruptedException {
131
132        String url = data.get("url");
133        String userName = data.get("user");
134        String passWord = data.get("password");
135        String customermail= data.get("customermailid");
136        String subject= data.get("Subject");
137        String expectedmsg1= data.get("Errormsg");
138
139
140        driver.get(url);
141
142
143        LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
144        login.enterEmailId(userName);
145        login.enterPassWord(passWord);
146        login.clickOnLogin();
147
148
149        MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing
150        marketing.clickOnMarketing();
151        marketing.clickOnMail(); //To select Mail
152        marketing.clickOnAddMail(); //To Click on new mail +
153        marketing.fillToDetail(); //Fill To detail
```

Problems | Javadoc | Declaration | Console | Debug | Results of running class BaseTest

```
<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (17-Dec-2018, 11:42:48 AM)
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 19574
Only local connections are allowed.
Dec 17, 2018 11:42:56 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Message is required!
PASSED: TestCase3

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

Writable | Smart Insert | 158 : 40

```java
139
140        driver.get(url);
141
142
143        LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
144        login.enterEmailId(userName);
145        login.enterPassWord(passWord);
146        login.clickOnLogin();
147
148
149        MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing
150        marketing.clickOnMarketing();
151        marketing.clickOnMail(); //To select Mail
152        marketing.clickOnAddMail(); //To Click on new mail +
153        marketing.fillToDetail(); //Fill To detail
154        marketing.fillCustomerMailId(customermail); //Fill Customermail id
155        marketing.fillSubject(subject); //Fill Subject
156        marketing.clickOnSaveMail();
157
158        //To get the Error message text to verify it is on the same page
159
160        String saveMailErrormsg= marketing.getTextToVerifyErrorMsg();
161        System.out.println(saveMailErrormsg);
162
163        Assert.assertTrue(saveMailErrormsg.contains(expectedmsg1), "Assertion on Saving a New Mail");
164    }
165 }
```

Problems | Javadoc | Declaration | Console | Debug | Results of running class BaseTest

```
<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (17-Dec-2018, 11:42:48 AM)
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 19574
Only local connections are allowed.
Dec 17, 2018 11:42:56 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Message is required!
PASSED: TestCase3

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

Writable | Smart Insert | 158 : 73

Programs

BaseTest

---

package com.ibm.test;

import java.io.IOException;

import java.util.HashMap;

import java.util.concurrent.TimeUnit;

```java
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.AssertJUnit;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.BeforeSuite;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;


import com.ibm.pages.AdminPage;

import com.ibm.pages.BannersPage;

import com.ibm.pages.LoginPage;

import com.ibm.pages.MarketingPage;

import com.ibm.utilities.ExcelUtil;

import com.ibm.utilities.PropertiesFileHandler;


public class BaseTest {

        WebDriver driver;

        WebDriverWait wait;

        PropertiesFileHandler propFileHandler;

        HashMap<String, String> data;


        @BeforeSuite
        public void preSetForTest() throws IOException {

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

                propFileHandler = new PropertiesFileHandler();
```

```java
                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(priority = 1, testName = "BannerListPageValidation")
    public void TestCase1() throws IOException, InterruptedException {


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

                String userName = data.get("user");

                String passWord = data.get("password");


                driver.get(url);

LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
                login.enterEmailId(userName);

                login.enterPassWord(passWord);
```

```java
        login.clickOnLogin();


        AdminPage admin = new AdminPage(driver, wait);
        admin.clickOnCatalog(); // To Select Catalog


        BannersPage page = new BannersPage(driver, wait);
        page.clickOnBanners(); // To Select Banners
        Thread.sleep(10000);


        int noOfEntries= page.noOfEntriesInBannerList();
        System.out.println("Number of Entries: " + noOfEntries);


        page.clickOnPage1(); // To Check Page2
        Thread.sleep(10000);


        page.clickOnPage2(); // To Check Page1
        Thread.sleep(10000);


        page.clickOnNext(); // To Check Next Link


        page.clickOnPrevious(); // To Check Previous link

}

@Test(priority = 2, testName = "EditCoupnsInMarketingTab")
public void TestCase2() throws IOException, InterruptedException {


        String url = data.get("url");
        String userName = data.get("user");
        String passWord = data.get("password");
```

```java
String couponName= data.get("couponname");

String couponCode= data.get("code");

String expectedmsg= data.get("successmsg");


driver.get(url);



LoginPage login = new LoginPage(driver, wait); // Login to Admin Page

login.enterEmailId(userName);

login.enterPassWord(passWord);

login.clickOnLogin();



MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing

marketing.clickOnMarketing();

marketing.clickOnCoupons(); // To Select Marketing

marketing.clickOnAction(); //To select Action button under Coupon List

marketing.clickOnEdit(); //To Select Edit under Action

Thread.sleep(10000);

marketing.enterCouponName(couponName); //To Edit Coupon Name

marketing.enterCode(couponCode);

marketing.clickOnSave(); //To save Coupon


Thread.sleep(10000);

String actualmsg= marketing.getTextToVerifySuccessMsg();

System.out.println(actualmsg);


Assert.assertTrue(actualmsg.contains(expectedmsg), "Assertion on Updated coupon code");

//Assert.fail();
```

```java
            }
*/
        @Test(priority = 3, testName = "AddNewMailInMarketingTab")
        public void TestCase3() throws IOException, InterruptedException {

                String url = data.get("url");
                String userName = data.get("user");
                String passWord = data.get("password");
                String customermail= data.get("customermailid");
                String subject= data.get("Subject");
                String expectedmsg1= data.get("Errormsg");



                driver.get(url);



                LoginPage login = new LoginPage(driver, wait); // Login to Admin Page
                login.enterEmailId(userName);
                login.enterPassWord(passWord);
                login.clickOnLogin();



                MarketingPage marketing = new MarketingPage(driver, wait); // To Select Marketing
                marketing.clickOnMarketing();
                marketing.clickOnMail(); //To select Mail
                marketing.clickOnAddMail(); //To Click on new mail +
                marketing.fillToDetail(); //Fill To detail
                marketing.fillCustomerMailId(customermail); //Fill Customermail id
                marketing.fillSubject(subject); //Fill Subject
                marketing.clickOnSaveMail();
```

//To get the Error message text to verify it is on the same page

String saveMailErrormsg= marketing.getTextToVerifyErrorMsg();

System.out.println(saveMailErrormsg);

Assert.assertTrue(saveMailErrormsg.contains(expectedmsg1), "Assertion on Saving a New Mail");
}
}

MarketingPage

```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.PageFactory;

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

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

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


public class MarketingPage {


	// To select Marketing


	@FindBy(xpath = "//*[@id='side-menu']/li[5]/a")
	WebElement marketingEle;


	// To select Coupons


	@FindBy(xpath= "//*[@id='side-menu']/li[5]/ul/li[1]/a")
```

```java
WebElement couponsEle;

// To Click on Action button under Coupon List

@FindBy(xpath= "//*[@id='dataTableExample2']/tbody/tr[2]/td[8]/div/button")
WebElement actionEle;

//To Edit the Coupon
@FindBy(linkText ="Edit")
WebElement editEle;

//To Edit the Coupon name
@FindBy(xpath="//input[@name='name']")
WebElement couponNameEle;

//To Edit the Code
        @FindBy(xpath="//input[@name='code']")
        WebElement codeEle;

        //To Save the Coupon

        @FindBy(xpath="//*[@id='page-wrapper']/div/form/div[1]/button")
        WebElement saveEle;

        //Success message upon saving Coupon

        @FindBy(xpath="//*[@id='page-wrapper']/div/div[2]")
        WebElement saveMsgEle;

        //To select  mail
        @FindBy(xpath="//a[contains(text(),' Mail')]")
```

```java
        WebElement mailEle;

        //To click on New mail

        @FindBy(xpath="//a[@title='Add New']")

        WebElement addMailEle;


        //To fill the details in New mail


        @FindBy(xpath="//select[@name='to']") //To fill To

        WebElement selectToEle;


        @FindBy(xpath="//input[@id='email']") //To fill Customer email

        WebElement customerEmailEle;


        @FindBy(xpath="//input[@name='subject']") //To fill Subject

        WebElement subjectEle;


        @FindBy(xpath="//button[@type='Submit']") //To save the mail

        WebElement saveEmailEle;


        @FindBy(xpath="//small[contains(text(),'Message is required!')]") //Subject is
empty, should give error message

        WebElement saveMailErrorMsgEle;


    WebDriverWait wait;

    WebDriver driver;


    public MarketingPage(WebDriver driver, WebDriverWait wait) {

        PageFactory.initElements(driver, this);

        this.driver = driver;

        this.wait = wait;

    }
```

```java
public void clickOnMarketing() {
        marketingEle.click();
}

public void clickOnCoupons() {
        couponsEle.click();
}

public void clickOnAction()
{
        actionEle.click();

}

public void clickOnEdit()
{
        editEle.click();
}

public void enterCouponName(String couponname)
{
        couponNameEle.clear();
        couponNameEle.sendKeys(couponname);
}

public void enterCode(String code)
{
        codeEle.clear();
        codeEle.sendKeys(code);
}
```

```java
public void clickOnSave()
{

        saveEle.click();

}


public String getTextToVerifySuccessMsg() {

wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath(("//*[@id='page-
wrapper']/div/div[2]"))));

        String actualmsg = saveMsgEle.getText();

        return actualmsg ;

}


public void clickOnMail()
{

        mailEle.click();

}


public void clickOnAddMail()
{

        addMailEle.click();

}


public void fillToDetail()
{

        Select dropdown= new Select(selectToEle);

        dropdown.getOptions().get(1).click();

}


public void fillCustomerMailId(String customermailid)
{
```

```java
                    customerEmailEle.sendKeys(customermailid);

        }


        public void fillSubject(String Subject)

        {

                subjectEle.sendKeys(Subject);

        }


        public void clickOnSaveMail()

        {

                saveEmailEle.click();

        }


        public String getTextToVerifyErrorMsg() {

        wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath(("//small[contains(text()
,'Message is required!')]"))));

                    String saveMailErrormsg = saveMailErrorMsgEle.getText();

                    return saveMailErrormsg ;

        }
}
```

LoginPage

```java
package com.ibm.magentopages;


import java.util.List;


import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindAll;
```

```java
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 LoginPage {


        @FindBy(id="email")

        WebElement emailEle;


        @FindBy(how=How.ID,using="pass")

        WebElement passEle;


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

        WebElement loginEle;


        By errorMsgLoc =By.className("error-msg");


        //Click on Forget Your Password HyperLink


        @FindBy(xpath="//a[@href='https://account.magento.com/customer/account/forgotpassword/']")

        WebElement ForgotYourPassword;


    //Submit

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

  WebElement submitButton;


// Re -enter email id to get the password

  @FindBy(xpath="//*[@name='email']")
```

```java
WebElement enterYourEmailEle;

//Error message
By requiredFieldErrorMessage =By.className("validation-advice");

//Error message to give valid mail id
By enterValidEmailAddress=By.className("validation-advice");


    WebDriverWait wait;
    WebDriver driver;

    public LoginPage(WebDriver driver,WebDriverWait wait) {
            PageFactory.initElements(driver, this);
            this.driver=driver;
            this.wait=wait;
    }

    public void enterEmailAddress(String userName)
    {
            emailEle.sendKeys(userName);
    }

    public void enterPassword(String password)
    {
            passEle.sendKeys(password);
    }

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

```java
public String getPageSourceForInvalidErrorMessage()

{

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


        return driver.getPageSource();

}


//Click on Forgot your password hyperLink


public void  ForgotYourPassword()


{

        ForgotYourPassword.click();

}


// Click on Submit
public void submitButton()
{

        submitButton.click();

}


//To get Error message "this is a Required Field.
public String getPageSourceToRequiredFieldErrorMessage()
{

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


        return driver.getPageSource();

}
```

```java
//Enter your email id

        public void enterYourEmailEle(String enteremailaddress)

        {

                enterYourEmailEle.sendKeys(enteremailaddress);

        }


        //To get Error message after Submit button

        public String getPageSourceToEnterValidEmailErrorMessage()

{

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


        return driver.getPageSource();

        }

}
```

Data.properties file

```properties
url=https://atozgroceries.com/admin
user=demo@atozgroceries.com
password=456789
couponname=10% OFF on GROC 2000
code=GROC
successmsg=Success: You have successfully updated coupon code!
customermailid=shobha.mce2003@gmail.com
Subject=Testing
Errormsg=Message is required!
```