1.Problem statement:

Process	Steps To Execute	Expected Results
Edit a mail under marketing tab	1. Login to admin portal 2. Edit mail details 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

2. code with comments:

Login.java Program:

```java
package com.ibm.test;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.util.HashMap;
import java.util.Properties;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;
import com.ibm.utilities.PropertiesFileHandler;

public class Login extends AdminPage{

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

    @FindBy(name="pword")
    WebElement passEle;

    @FindBy(xpath="/html/body/div/div/div/div[2]/form/button")
    WebElement loginEle;
    WebDriverWait wait;
    WebDriver driver;

    public Login(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
```

```java
            this.driver=driver;
            this.wait=wait;
    }

    public void enterEmailAddress(String user)
    {
            emailEle.sendKeys(user);
    }
    public void enterPassword(String password)
    {
            passEle.sendKeys(password);
    }
    public void clickOnLogin()
    {
            loginEle.click();
    }

}
```

AdminPage.java Program

```java
package com.ibm.pages;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.util.HashMap;
import java.util.Properties;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.Test;

import com.ibm.test.Login;
import com.ibm.utilities.PropertiesFileHandler;

public class AdminPage{

    WebDriverWait wait;
    WebDriver driver;
    //PropertiesFileHandler propFileHandler;
    //HashMap<String, String> data;

        @Test
        public void testCase3() throws IOException, InterruptedException {
                FileInputStream file = new
FileInputStream("./TestData/data.properties");
                Properties prop = new Properties();
```

```
                prop.load(file);
                String url = prop.getProperty("url");
                String username = prop.getProperty("user");
                String password = prop.getProperty("password");
                System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
                driver = new ChromeDriver();
                wait = new WebDriverWait(driver, 60);
                driver.get(url);
                driver.manage().window().maximize();
                driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
                Login login = new Login(driver, wait);

                login.enterEmailAddress(username);
                login.enterPassword(password);
                login.clickOnLogin();

                WebElement
marketingEle=driver.findElement(By.linkText("Marketing"));
                marketingEle.click();

                WebElement mailEle=driver.findElement(By.linkText("Mail"));
                mailEle.click();
                Thread.sleep(3000);
                WebElement
actionEle=driver.findElement(By.cssSelector("span.caret"));
                actionEle.click();

                WebElement editEle=driver.findElement(By.linkText("Edit"));
                editEle.click();

                WebElement saveEle=driver.findElement(By.cssSelector("i.fa.fa-
save"));
                saveEle.click();

        }

    }
```

Data.Properties file:

```
url=https://atozgroceries.com/admin
user=demo@atozgroceries.com
password=456789
```

3. Explanation of the code:

I have created Login.java program with the Login details of the atozgroceries admin page which can be used in our Admin Page test cases. AdminPage.java is where I have used @Test and used TestNG to execute the program

4. Result flow in detail:

I have created Login.java program with the Login details of the atozgroceries admin page which can be used in our Admin Page test cases. AdminPage.java is where I have used @Test and used TestNG to execute the program

5. Output screenshot: