

Day 8 Assignment1

Task

- Use the framework to launch the <https://magento.com>
- Navigate to the login page.
- Click on Forgot password and then click on Submit button to validate the error message.
- Also provide email id as "bala#\$ \$" and click on submit to check the validation.

Solution: Below is the Data Driven framework using selenium script. Created below JAVA class files for this project:

- HomePage.java

```
package com.ibm.magentopages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;

import com.ibm.magentotest.MagentoTest;

public class HomePage {
    By myAccountIcon = By.xpath("//span[text()='Account']/ancestor::a");

    WebDriver driver;

    public HomePage(WebDriver driver)
    {
        this.driver=driver;
    }

    public void clickOnMyAccountIcon()
    {
        WebElement myAccountEle = driver.findElement(myAccountIcon);
        myAccountEle.click();
    }
}
```

- LoginPage.java

```
package com.ibm.magentopages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;

public class LoginPage {
    By fpwdLoc = By.xpath("//a[text()='Forgot Your Password?']");
```

```

        WebDriver driver;

        public LoginPage(WebDriver driver) {
            this.driver=driver;
        }

        public void forgotpassword()
        {
            WebElement forgotpwdEle = driver.findElement(fpwdLoc);
            forgotpwdEle.click();
        }
    }
}

```

- ForgotPasswordPage.java

```

package com.ibm.magentopages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class ForgotPasswordPage {

    By submitLoc = By.xpath("//button[@type='submit']");
    By messageLoc = By.xpath("//div[text()='This is a required field.']").;
    By emailLoc = By.xpath("//input[@id='email_address']");
    By invalidemailmsgLoc = By.xpath("//div[text()='Please enter a valid email address. For example johndoe@domain.com.']").;

    WebDriver driver;
    WebDriverWait wait;

    public ForgotPasswordPage(WebDriver driver, WebDriverWait wait)
    {
        this.driver=driver;
        this.wait=wait;
    }

    public void clickOnSubmitButton() throws InterruptedException
    {
        WebElement submitEle = driver.findElement(submitLoc);
        submitEle.click();
        Thread.sleep(2000);
    }

    public String getValidationMessage()
    {
        WebElement messageEle = driver.findElement(messageLoc);
        String actualMessage = messageEle.getText();
    }
}

```

```

        return (actualMessage);
    }

    public void enterEmailAddress()
    {
        wait.until(ExpectedConditions.presenceOfElementLocated(messageLoc));
        WebElement emailEle = driver.findElement(emailLoc);
        emailEle.sendKeys("bala#$$");
    }

    public String getInvalidEmailValidationMessage()
    {
        WebElement emailmessageEle =
driver.findElement(invalidemailmsgLoc);
        String invalidemailMessage = emailmessageEle.getText();
        return (invalidemailMessage);
    }
}

```

- MagentoTest.java

```

package com.ibm.magentotest;

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 com.ibm.magentopages.ForgotPasswordPage;
import com.ibm.magentopages.HomePage;
import com.ibm.magentopages.LoginPage;
import com.ibm.utilities.PropertiesFileHandler;

```

```
public class MagentoTest {

    public static void main(String[] args) throws IOException,
    InterruptedException {

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

        //Location //Properties handler
        PropertiesFileHandler propFileHandler = new PropertiesFileHandler();
        HashMap<String, String> data= propFileHandler.getPropertiesAsMap(file);

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

        String expectedMessage = data.get("expectedmessage");

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

        /*System.out.println(url);

        System.out.println(expectedMessage);*/

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

        WebDriver driver = new ChromeDriver();

        WebDriverWait wait = new WebDriverWait(driver, 60);

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

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

        driver.get(url);

        HomePage home = new HomePage(driver);
```

```
home.clickOnMyAccountIcon();

LoginPage login = new LoginPage(driver);
login.forgotpassword();

String title=driver.getTitle();
System.out.println("The title of Login page is: " +title);
Thread.sleep(1000);

ForgotPasswordPage fpwd = new ForgotPasswordPage(driver, wait);
fpwd.clickOnSubmitButton();

String actualMessage = fpwd.getValidationMessage();

if(actualMessage.equals(expectedMessage))
{
    System.out.println("Actual Message: "+actualMessage);
    System.out.println("The validation message without email is
verified.");
}
else
{
    System.out.println("The validation message is not as expected.");
}

fpwd.enterEmailAddress();
fpwd.clickOnSubmitButton();
String invalidemailMessage = fpwd.getInvalidEmailValidationMessage();
```

```

        if(invalidemailMessage.equals(expectedinvalidemailmessage))
        {

            System.out.println("Actual Message: "+invalidemailMessage);

            System.out.println("The validation message with invalid email is
verified.");
        }

        else

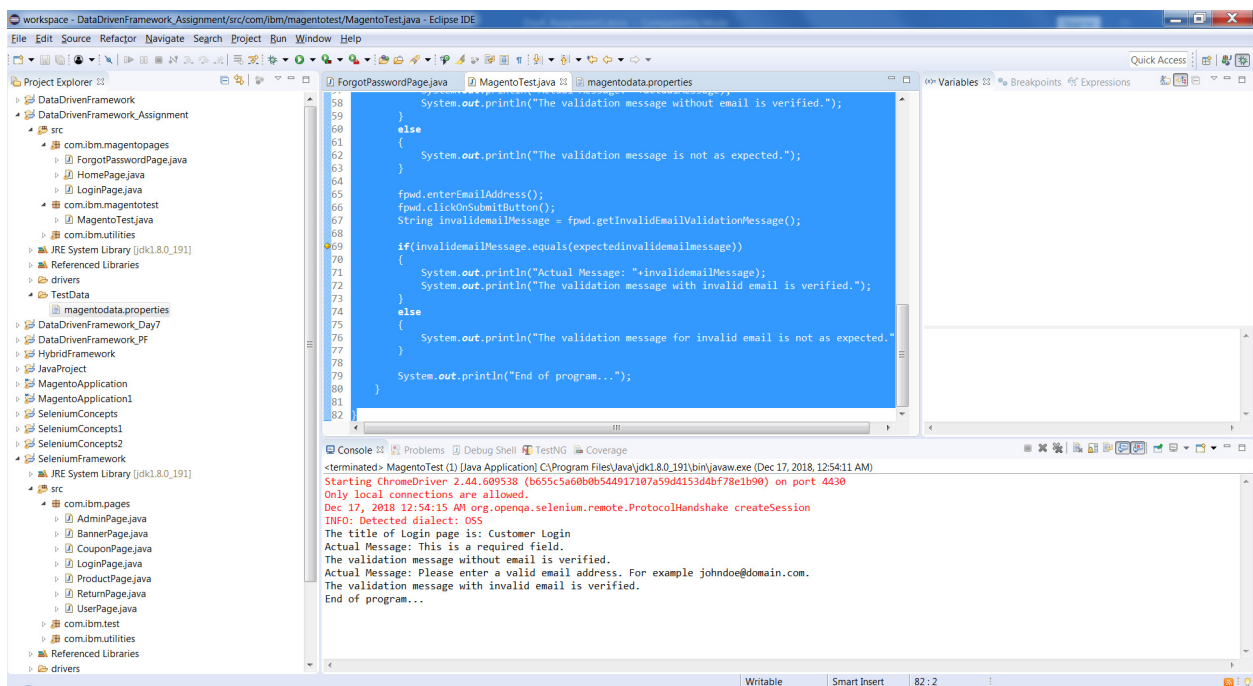
        {

            System.out.println("The validation message for invalid email is
not as expected.");
        }

        System.out.println("End of program...");

    }
}

```



The console message:

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 4430

Only local connections are allowed.

Dec 17, 2018 12:54:15 AM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: OSS

The title of Login page is: Customer Login

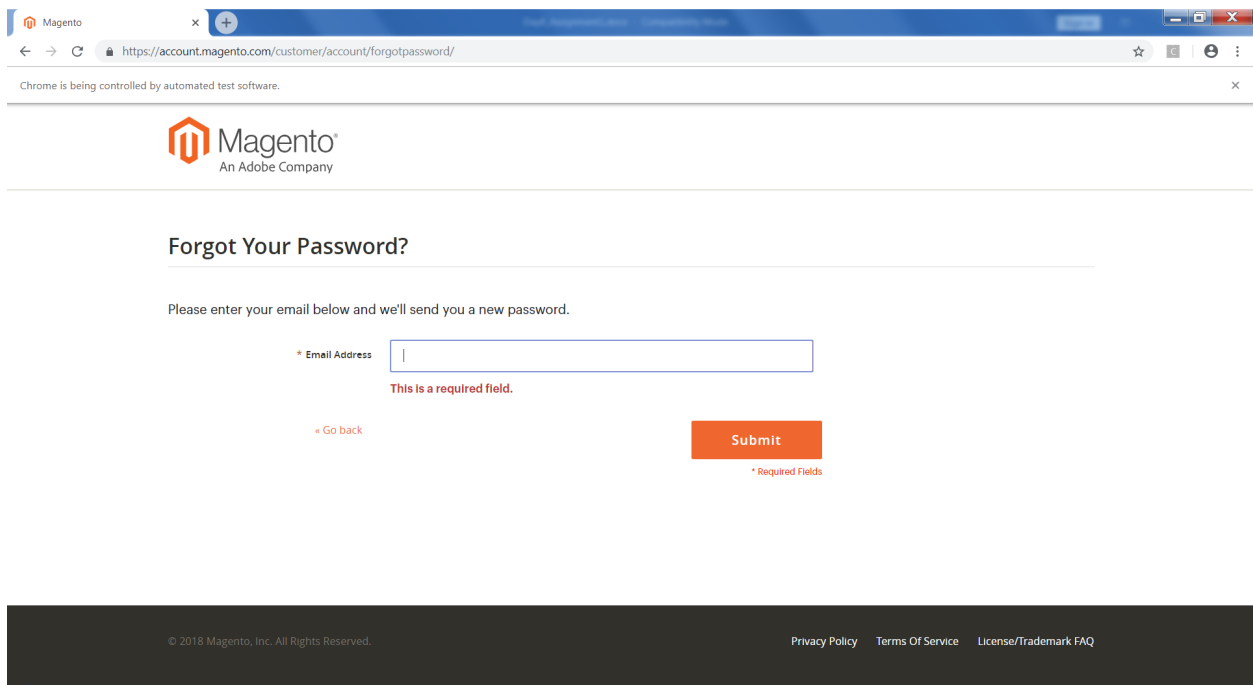
Actual Message: This is a required field.

The validation message without email is verified.

Actual Message: Please enter a valid email address. For example johndoe@domain.com.

The validation message with invalid email is verified.

End of program...



Magento

https://account.magento.com/customer/account/forgotpassword/

Chrome is being controlled by automated test software.

Magento
An Adobe Company

Forgot Your Password?

Please enter your email below and we'll send you a new password.

* Email Address

This is a required field.

[Go back](#) [Submit](#)

* Required Fields

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Forgot Your Password?

Please enter your email below and we'll send you a new password.

* Email Address

Please enter a valid email address. For example johndoe@domain.com.

[« Go back](#)

Submit

* Required Fields