**Day 1 Test Case:**

| Test Cases | Process | Steps To Execute | Expected Results |
|---|---|---|---|
| TC01 | Category list page validation | 1. Login to admin portal<br>2  Show 10 entiries per page | Check 10 category details displayed on the page and page number, next, previous link are woking or not. |

**Output:**

Step by step execution (Screenshot) document with the actual result in pdf format.

Program:-

```
package com.ibm.test;


import static org.testng.Assert.assertTrue;


import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.Date;

import java.util.List;

import java.util.Properties;

import java.util.concurrent.TimeUnit;


import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
import org.testng.annotations.Test;

public class LoginPage {

    //Created a method to capture screen shots
    public static void CaptureScreenshot(WebDriver driver) throws IOException
    {
        File file=((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);

        //Created date method to include date in screen shot file name
        Date date=new Date();

        //Changing : into - to understand easily and seperate day-month-year
        String currentDate=date.toString().replace(":", "-");

        FileUtils.copyFile(file, new File("./ProjectOneSS/LoginPage-"+currentDate+".png"));
    }
    @Test
    public void login() throws FileNotFoundException, IOException {

        //To open chrome from given location
    System.setProperty("webdriver.chrome.driver","./drivers/chromedriver.exe");
    WebDriver driver=new ChromeDriver();

    //Maximize window and wait for each step
    driver.manage().window().maximize();
    driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
```

```
//Created a object to call property file
Properties p=new Properties();

//Open property file from given location
p.load(new FileInputStream("TestData/data.properties"));

//using property file for url, username, password
driver.get(p.getProperty("url"));
driver.findElement(By.name("email")).sendKeys(p.getProperty("username"));
driver.findElement(By.name("pword")).sendKeys(p.getProperty("password"));

//Capture screen shot
LoginPage.CaptureScreenshot(driver);

//To perform click on login button
WebElement loginButton=driver.findElement(By.xpath("//button[@class='btn btn-labeled btn-info m-b-5']"));
loginButton.click();

//Click on catelog from Home screen
WebElement catalogSel=driver.findElement(By.xpath("//*[text()=' Catalog']"));
catalogSel.click();

//Selecting Categories under catelog
WebElement categorySel=driver.findElement(By.xpath("//*[text()=' Categories']"));
categorySel.click();

//Capture screen shot
```

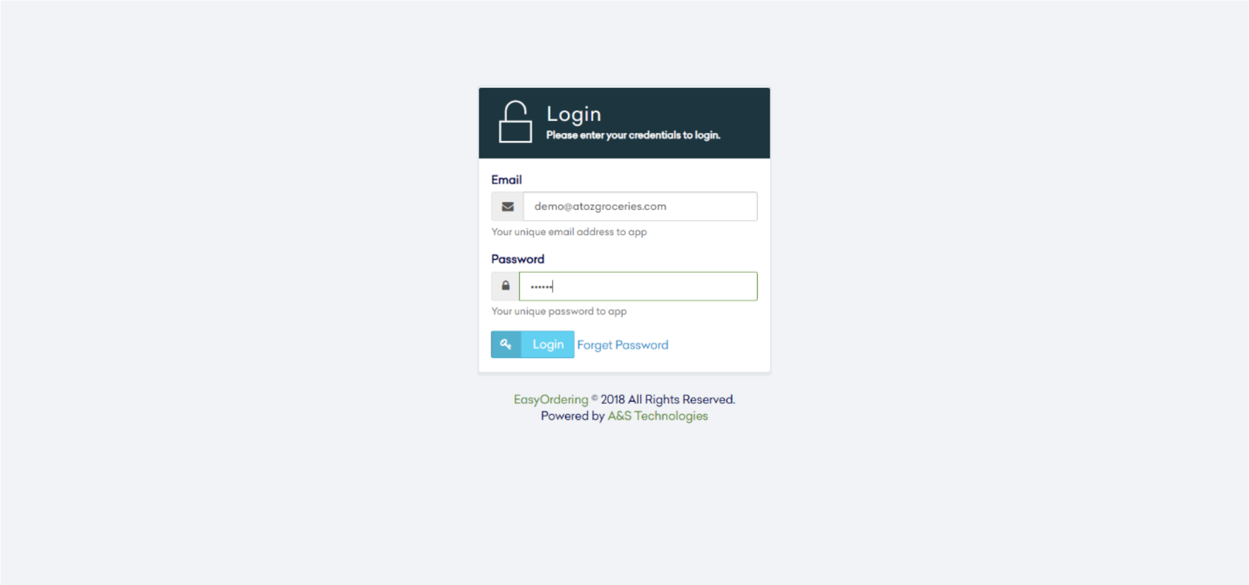
```
    LoginPage.CaptureScreenshot(driver);


    //Getting title text from screen
    String CategoryTitle=(driver.findElement(By.xpath("//div[@class='header-title']"))).getText();
    System.out.println(CategoryTitle);


    //Verifying header title is displayed or not
    Assert.assertTrue(driver.findElement(By.xpath("//div[@class='header-title']")).isDisplayed());


    //finiding no of rows from table in categories
    List<WebElement>
noOfRows=driver.findElements(By.xpath("//table[@id='dataTableExample2']/tbody/tr"));
    int NumofRowsinTable=noOfRows.size();


    //printing total no of rows in table in first page
    System.out.println("The Total no of Rows"+NumofRowsinTable);


    //Running loop to verify and display category item list
    for(int i=1;i<=NumofRowsinTable;i++)
    {

    Assert.assertTrue(driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i
+"]")).isDisplayed());


        //To get the text of Category item
        WebElement
categoryItem=driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));


        String categoryItemList=categoryItem.getText();
        System.out.println(categoryItemList);
    }

    //performing click on page 2 to verify that button is working or not
    WebElement nextPageTwo=driver.findElement(By.xpath("(//*[@aria-
controls='dataTableExample2'])[16]"));

    //condition to verify next page number is displayed and enabled to perform action.
    if(nextPageTwo.isDisplayed() && nextPageTwo.isEnabled())
    {
        System.out.println("Page navigation is displayed and enabled");
        nextPageTwo.click();
    }
    else
    {
        //Condition to fail test case if next page number 2 not displayed or not enabled
        Assert.fail("Page Navigation is failed");
    }
    //Capture screen shot
    LoginPage.CaptureScreenshot(driver);

    //performing click on Next button in page
    WebElement nextButton=driver.findElement(By.xpath("(//*[@aria-
controls='dataTableExample2'])[18]"));

    //condition to verify Next button is displayed and enabled to perform action.
    if(nextButton.isDisplayed() && nextButton.isEnabled())
    {
        System.out.println("Next Button is displayed and Enabled");
        nextButton.click();
    }

    else

    {

        //Condition to fail test case if Next button not displayed or not enabled

        Assert.fail("Next Button is disabled");

    }

    //Capture screen shot

    LoginPage.CaptureScreenshot(driver);


    //performing click on Next button in page

    WebElement previousButton=driver.findElement(By.xpath("(//*[@aria-
controls='dataTableExample2'])[14]"));


    //condition to verify Previous button is displayed and enabled to perform action.

    if(previousButton.isDisplayed() && previousButton.isEnabled())

    {

        System.out.println("Previous Button is displayed and Enabled");

        previousButton.click();

    }

    else

    {

        //Condition to fail test case if Previous button not displayed or not enabled

        Assert.fail("Previous button is disabled");

    }

    //Capture screen shot

    LoginPage.CaptureScreenshot(driver);


    }
```

}

Screen shots of each step

Actual Results

Admin Login screen



Login

Please enter your credentials to login.

Email

demo@atozgroceries.com

Your unique email address to app

Password

••••••

Your unique password to app

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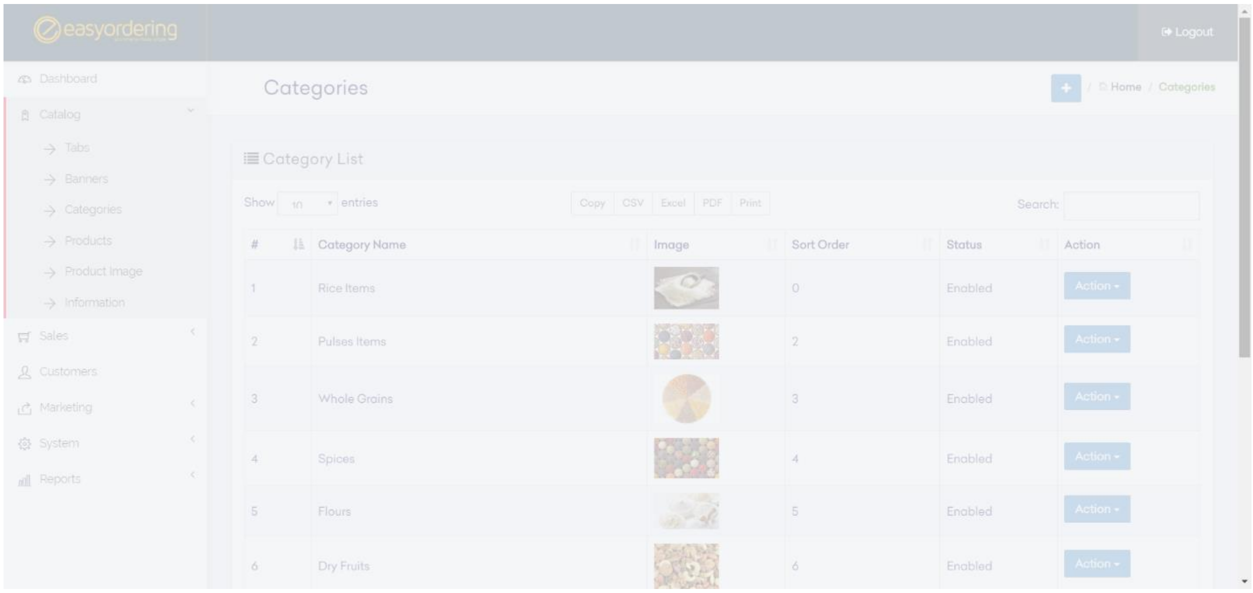
Selecting category



Categories

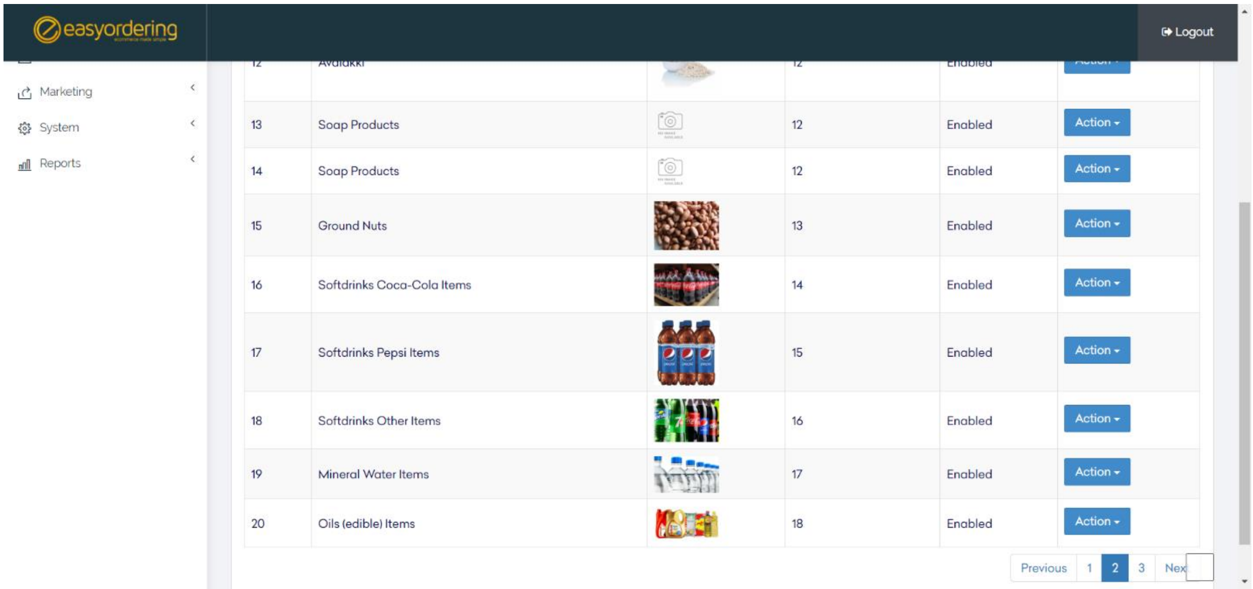
Category List

Show 10 entries

Search:

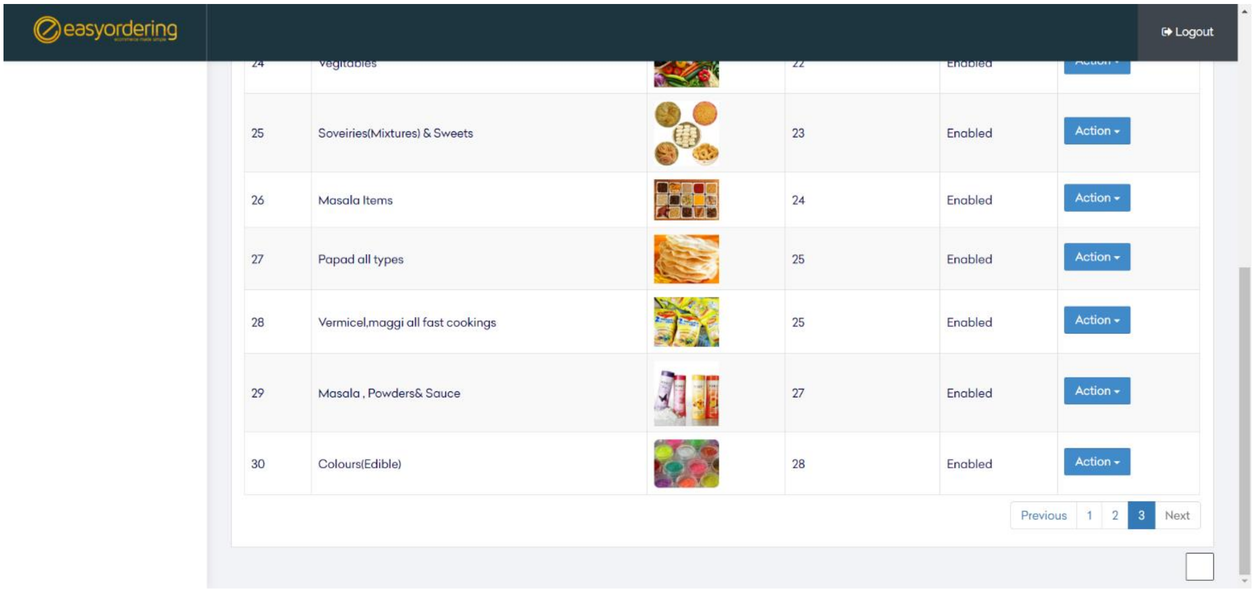
| # | Category Name | Image | Sort Order | Status | Action |
|---|---|---|---|---|---|
| 1 | Rice Items | | 0 | Enabled | Action |
| 2 | Pulses Items | | 2 | Enabled | Action |
| 3 | Whole Grains | | 3 | Enabled | Action |
| 4 | Spices | | 4 | Enabled | Action |
| 5 | Flours | | 5 | Enabled | Action |
| 6 | Dry Fruits | | 6 | Enabled | Action |

Clicked on next page number 2



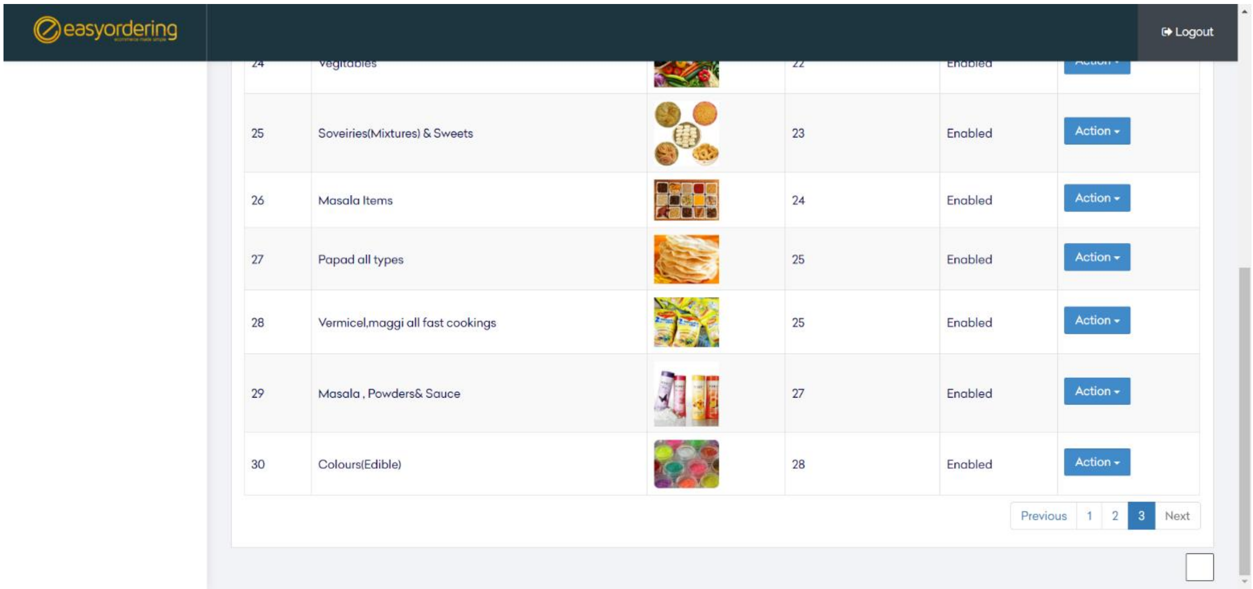
| | | | | | |
|---|---|---|---|---|---|
| 12 | Avalakki | | 12 | Enabled | Action |
| 13 | Soap Products | | 12 | Enabled | Action |
| 14 | Soap Products | | 12 | Enabled | Action |
| 15 | Ground Nuts | | 13 | Enabled | Action |
| 16 | Softdrinks Coca-Cola Items | | 14 | Enabled | Action |
| 17 | Softdrinks Pepsi Items | | 15 | Enabled | Action |
| 18 | Softdrinks Other Items | | 16 | Enabled | Action |
| 19 | Mineral Water Items | | 17 | Enabled | Action |
| 20 | Oils (edible) Items | | 18 | Enabled | Action |

Clicked on Next button in category screen



| | | | | | |
|---|---|---|---|---|---|
| 24 | Vegitables | | 22 | Enabled | Action |
| 25 | Soveiries(Mixtures) & Sweets | | 23 | Enabled | Action |
| 26 | Masala Items | | 24 | Enabled | Action |
| 27 | Papad all types | | 25 | Enabled | Action |
| 28 | Vermicel,maggi all fast cookings | | 25 | Enabled | Action |
| 29 | Masala , Powders& Sauce | | 27 | Enabled | Action |
| 30 | Colours(Edible) | | 28 | Enabled | Action |

Clicking on Previous button in category screen



| | | | | | |
|---|---|---|---|---|---|
| 24 | Vegitables | | 22 | Enabled | Action ▾ |
| 25 | Soveiries(Mixtures) & Sweets | | 23 | Enabled | Action ▾ |
| 26 | Masala Items | | 24 | Enabled | Action ▾ |
| 27 | Papad all types | | 25 | Enabled | Action ▾ |
| 28 | Vermicel,maggi all fast cookings | | 25 | Enabled | Action ▾ |
| 29 | Masala , Powders& Sauce | | 27 | Enabled | Action ▾ |
| 30 | Colours(Edible) | | 28 | Enabled | Action ▾ |

Verified Category list and buttons in screen

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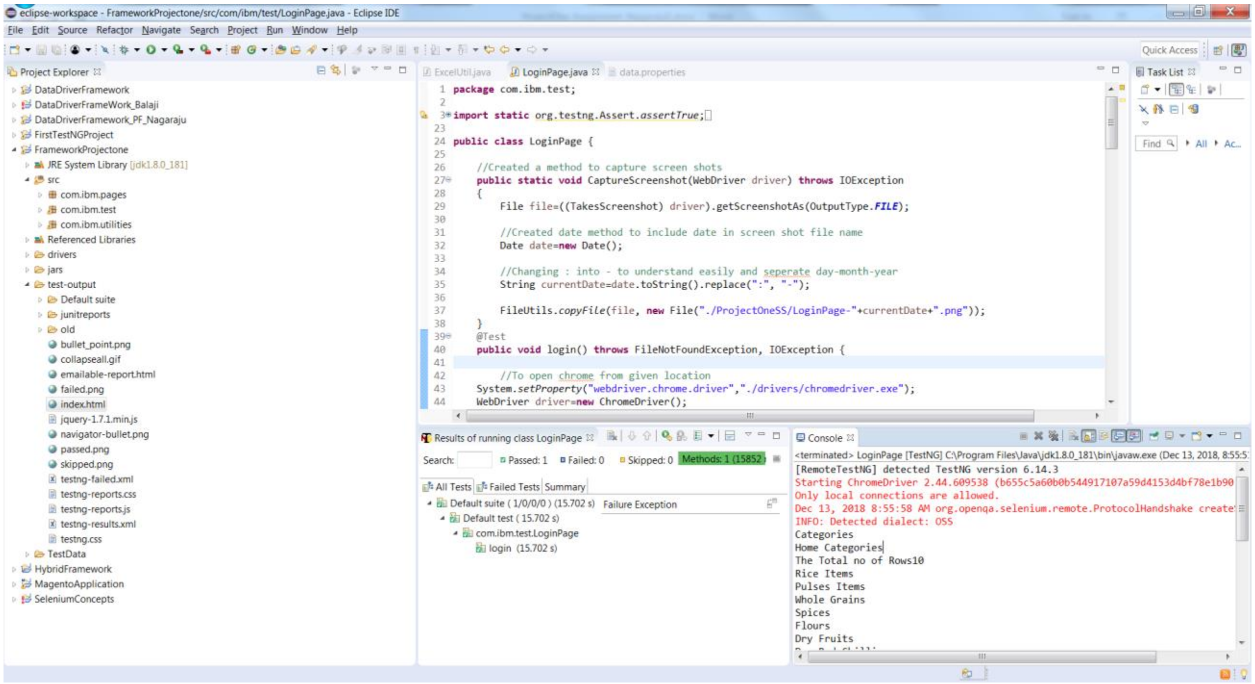
Eclipse screen shots


eclipse-workspace - FrameworkProjectone/src/com/ibm/test/LoginPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Project Explorer
Task List
Find
All
Ac...
ExcelUtil.java
LoginPage.java
data.properties

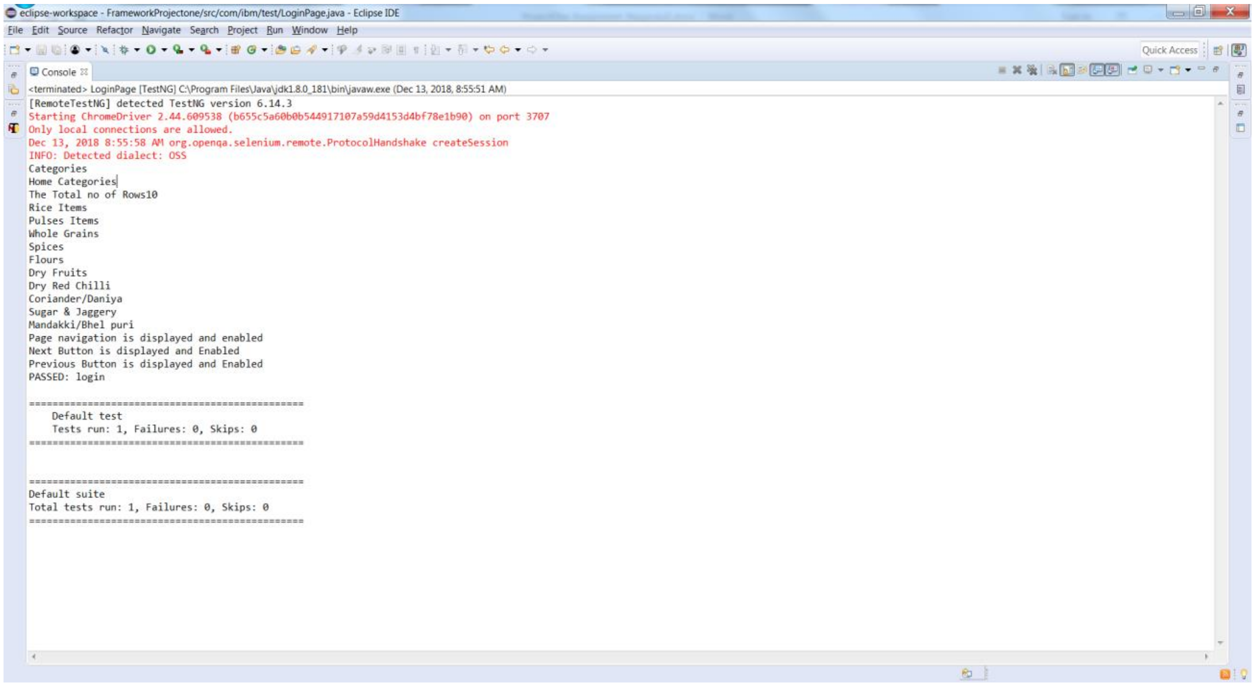
```
DataDriverFramework
DataDriverFrameWork_Balaji
DataDriverFramework_PF_Nagaraju
FirstTestNGProject
FrameworkProjectone
  JRE System Library [jdk1.8.0_181]
  src
    com.ibm.pages
    com.ibm.test
    com.ibm.utilities
  Referenced Libraries
  drivers
  jars
  test-output
    Default suite
    junitreports
    old
    bullet_point.png
    collapseall.gif
    emailable-report.html
    failed.png
    index.html
    jquery-1.7.1.min.js
    navigator-bullet.png
    passed.png
    skipped.png
    testng-failed.xml
    testng-reports.css
    testng-reports.js
    testng-results.xml
    testng.css
  TestData
HybridFramework
MagentoApplication
SeleniumConcepts
```

```java
package com.ibm.test;

import static org.testng.Assert.assertTrue;

public class LoginPage {

    //Created a method to capture screen shots
    public static void CaptureScreenshot(WebDriver driver) throws IOException
    {
        File file=((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);

        //Created date method to include date in screen shot file name
        Date date=new Date();

        //Changing : into - to understand easily and seperate day-month-year
        String currentDate=date.toString().replace(":", "-");

        FileUtils.copyFile(file, new File("./ProjectOneSS/LoginPage-"+currentDate+".png"));
    }
    @Test
    public void login() throws FileNotFoundException, IOException {

        //To open chrome from given location
    System.setProperty("webdriver.chrome.driver","./drivers/chromedriver.exe");
    WebDriver driver=new ChromeDriver();
```

```
Default suite ( 1/0/0/0 ) (15.702 s)
  Default test ( 15.702 s)
    com.ibm.test.LoginPage
      login  (15.702 s)
```

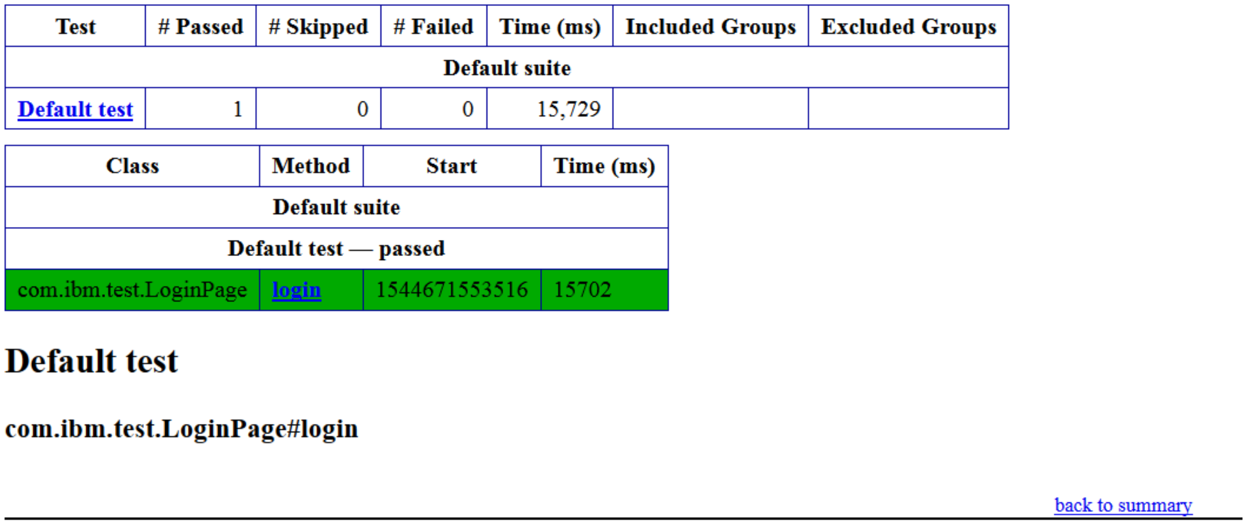
```
<terminated> LoginPage [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.exe (Dec 13, 2018, 8:55:5
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90
Only local connections are allowed.
Dec 13, 2018 8:55:58 AM org.openqa.selenium.remote.ProtocolHandshake create
INFO: Detected dialect: OSS
Categories
Home Categories
The Total no of Rows10
Rice Items
Pulses Items
Whole Grains
Spices
Flours
Dry Fruits
```

Console screen shot


eclipse-workspace - FrameworkProjectone/src/com/ibm/test/LoginPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Console

```
<terminated> LoginPage [TestNG] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.exe (Dec 13, 2018, 8:55:51 AM)
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 3707
Only local connections are allowed.
Dec 13, 2018 8:55:58 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Categories
Home Categories
The Total no of Rows10
Rice Items
Pulses Items
Whole Grains
Spices
Flours
Dry Fruits
Dry Red Chilli
Coriander/Daniya
Sugar & Jaggery
Mandakki/Bhel puri
Page navigation is displayed and enabled
Next Button is displayed and Enabled
Previous Button is displayed and Enabled
PASSED: login

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


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

Emailable report from test output



| Test | # Passed | # Skipped | # Failed | Time (ms) | Included Groups | Excluded Groups |
|---|---|---|---|---|---|---|
| Default suite | | | | | | |
| Default test | 1 | 0 | 0 | 15,729 | | |

| Class | Method | Start | Time (ms) |
|---|---|---|---|
| Default suite | | | |
| Default test — passed | | | |
| com.ibm.test.LoginPage | login | 1544671553516 | 15702 |

## Default test

### com.ibm.test.LoginPage#login

back to summary