Login Page

```java
package assignment;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

import org.testng.asserts.SoftAssert;

public class LoginTestcase {

WebDriver driver = null;

@BeforeMethod

public void openBrowser() {

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

driver = new ChromeDriver();

driver.get("https://sakshingp.github.io/assignment/login.htm
l");
```

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

}

@Test(priority = 1)

public void checkLoginPageBlankCredential() {

SoftAssert assert1 = new SoftAssert();

driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

driver.findElement(By.id("username")).sendKeys("");

driver.findElement(By.id("password")).sendKeys("");

driver.findElement(By.id("log-in")).click();

String errmsg =
driver.findElement(By.id("random_id_8")).getText();

assert1.assertEquals(errmsg, "Both Username and Password
must be present");

assert1.assertAll();

}

@Test(priority = 2)

public void checkLoginByCorrectCredential() {

SoftAssert assert1 = new SoftAssert();

driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

driver.findElement(By.id("username")).sendKeys("abcd");

driver.findElement(By.id("password")).sendKeys("1234");
```

```java
driver.findElement(By.id("log-in")).click();

String title =
driver.findElement(By.id("showExpensesChart")).getText();

assert1.assertEquals(title, "Compare Expenses");

assert1.assertAll();

}

@Test(priority = 3)

public void checkLoginByBlankPassword() {

SoftAssert assert1 = new SoftAssert();

driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

driver.findElement(By.id("username")).sendKeys("abcd");

driver.findElement(By.id("password")).sendKeys("");

driver.findElement(By.id("log-in")).click();

String err1 =
driver.findElement(By.id("random_id_3")).getText();

assert1.assertEquals(err1, "Password must be present");

assert1.assertAll();

}


@Test(priority = 4)

public void checkLoginByBlankUsername() {
```

```java
SoftAssert assert1 = new SoftAssert();

driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

driver.findElement(By.id("username")).sendKeys("");

driver.findElement(By.id("password")).sendKeys("1234");

driver.findElement(By.id("log-in")).click();

String err2 =
driver.findElement(By.id("random_id_3")).getText();

assert1.assertEquals(err2, "Username must be present");

assert1.assertAll();

}

@Test(priority = 5)

public void checkLoginBySpace() {

SoftAssert assert1 = new SoftAssert();

driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

driver.findElement(By.id("username")).sendKeys(" ");

driver.findElement(By.id("password")).sendKeys(" ");

driver.findElement(By.id("log-in")).click();

String title2 =
driver.findElement(By.id("showExpensesChart")).getText();

assert1.assertEquals(title2, "Compare Expenses");

assert1.assertAll();
```

```java
}
@Test(priority = 6)
public void checkLoginPageCheckbox() {
SoftAssert assert1 = new SoftAssert();
driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);
driver.findElement(By.id("username")).sendKeys("abcd");
driver.findElement(By.id("password")).sendKeys("1234");
driver.findElement(By.className("form-check-
input")).click();
driver.findElement(By.id("log-in")).click();
String title3=
driver.findElement(By.id("showExpensesChart")).getText();
assert1.assertEquals(title3, "Compare Expenses");
assert1.assertAll();
}
@AfterMethod
public void closedriver() {
driver.close();
}}
```

Home Page:

Home Page

```java
package testcases;

import java.util.ArrayList;

import java.util.Collections;

import java.util.List;

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.testng.Assert;

import org.testng.annotations.Test;

import org.testng.asserts.SoftAssert;

public class HomepageTestCase {

@Test

public void checkSorting() {

SoftAssert softassert = new SoftAssert();

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

WebDriver driver = new ChromeDriver();

driver.get("https://sakshingp.github.io/assignment/login.html");
```

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

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

driver.findElement(By.id("username")).sendKeys("abcd");

driver.findElement(By.id("password")).sendKeys("1234");

driver.findElement(By.id("log-in")).click();

ArrayList<String> before = new ArrayList<>();


List<WebElement> beforelist =
driver.findElements(By.className("text-

success"));


for (WebElement p : beforelist) {

before.add(p.getText());

}

driver.findElement(By.id("amount")).click();

ArrayList<String> sortedList = new ArrayList<>();

for (String s : before) {

sortedList.add(s);

}

Collections.sort(sortedList);

softassert.assertTrue(sortedList.equals(sortedList));
```

```
softassert.assertAll();

driver.quit();

}

}
```