Login Page:

```java
package testcase;

import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.edge.EdgeDriver;
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.edge.driver", "msedgedriver.exe");
        driver = new EdgeDriver();
        driver.get("https://sakshingp.github.io/assignment/login.html");
        driver.manage().window().maximize();

    }

    @Test(priority = 1)
    public void checkLoginPageBlank() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, 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 checkLoginPageCorrect() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
        driver.findElement(By.id("username")).sendKeys("Shivani");
        driver.findElement(By.id("password")).sendKeys("123");
        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 checkLoginPageBlankPassword() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
        driver.findElement(By.id("username")).sendKeys("Shivani");
        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();
    }
```

```java
@Test(priority = 4)
public void checkLoginPageBlankUsername() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
        driver.findElement(By.id("username")).sendKeys("");
        driver.findElement(By.id("password")).sendKeys("123");
        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 checkLoginPageSpace() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, 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();
}

@Test(priority = 6)
public void checkLoginPagecheCheckbox() {
        SoftAssert assert1 = new SoftAssert();
        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
        driver.findElement(By.id("username")).sendKeys("Shivani");
        driver.findElement(By.id("password")).sendKeys("123");
        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:

```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.edge.EdgeDriver;
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.edge.driver", "msedgedriver.exe");
        WebDriver driver = new EdgeDriver();
        driver.get("https://sakshingp.github.io/assignment/login.html");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
        driver.findElement(By.id("username")).sendKeys("Shivani");
        driver.findElement(By.id("password")).sendKeys("123");
        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();

    }

}
```