10 September 2025

PROG6112 Assignment

ST10470282



Table of Contents

Question 1: Code	2
Unit Test for Question 1:	10
Test Results of the Unit Tests for Question 1:	12
Question 2 Code:	16
Unit Test for Question 2 (Class Bank Account):	24
Unit Test Results for Bank Account:	25
Unit Test for class Savings Account:	29
Unit Test Results for class Savings Account:	30
Unit Test for class Check Account:	31
Unit Test Results for class Check Account:	32
Github Repository link:	33

Question 1: Code

```
| History | Market |
```

```
Source History System. out.println("Series with series id " + deleteId + " was not found ");

255
257
258

//Created a method called seriesReport
259
//This prints out all of the series in the program as a report at case 5
260
public void seriesReport(Scanner Scan, ArrayList<SeriesModel> seriesList) (
261
if (seriesIst.isEmpty()) (
262
263
264
265
266
267
268
269
270
270
271
271
271
272
273
274
275
275
276
277
278
276
277
278
277
278
277
278
278
279
280
281
282
284

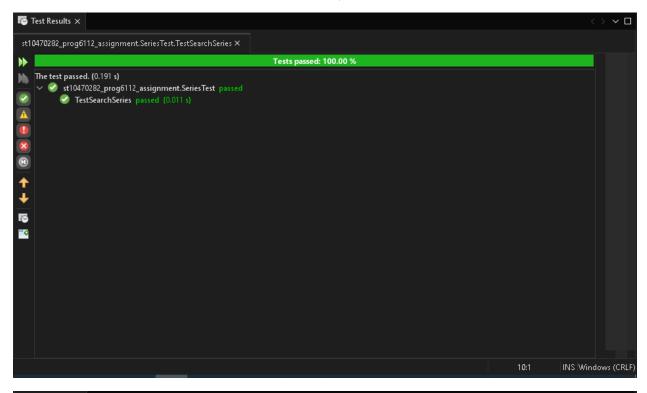
//Created a method called exitSeriesApplication
```

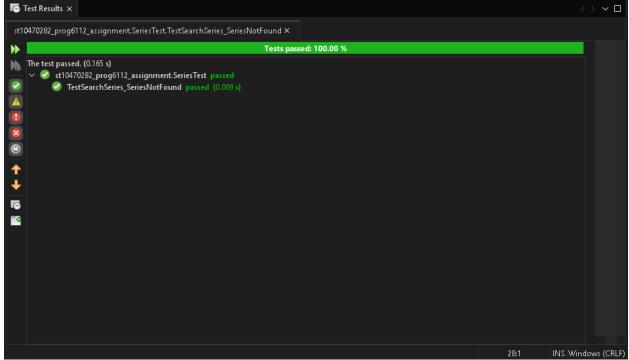
```
| Wild | String | Str
```

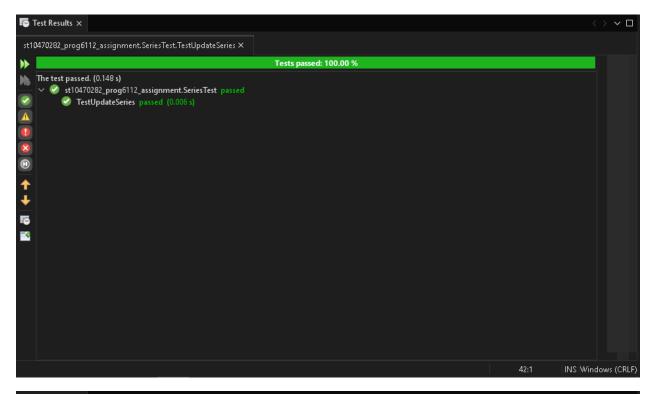
Unit Test for Question 1:

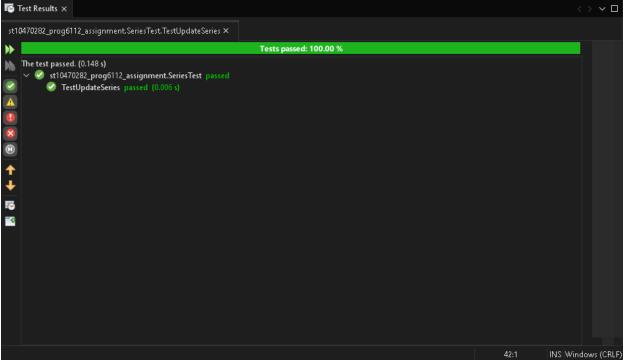
```
Source History 🕼 🖪 - 🗐 - 💆 - 💆 - 💆 - 🚰 - 📑 - 🚰 - 🖆 - 💆 - 👮 - 💆 - 懂 - 🏥 -
 ▶
          public void TestSearchSeries_SeriesNotFound() {
              seriesList.add(new SeriesModel(1, "Marvel", 18, 62));
                                                                                                  INS Windows (CRLF)
Source History 🕼 🐺 - 🐺 💆 🛴 👫 👫 🔩 🔩 💌 🔳 🌁 📑
              for (SeriesModel s : seriesList) {
                                                                                                               assertFalse(found);
 ၨ
                                                                                                  INS Windows (CRLF)
```

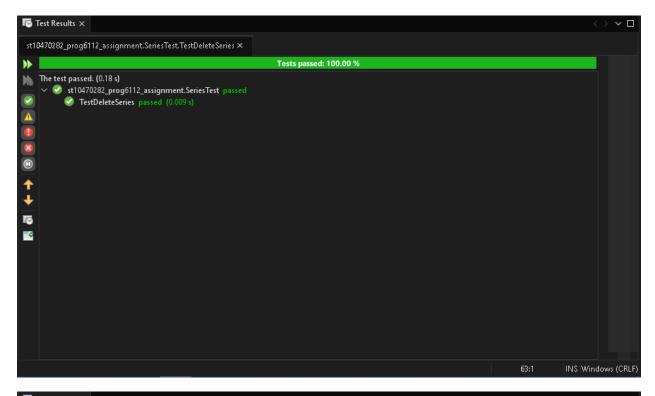
Test Results of the Unit Tests for Question 1:

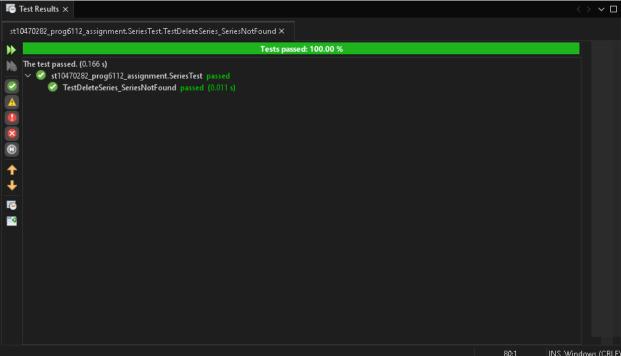


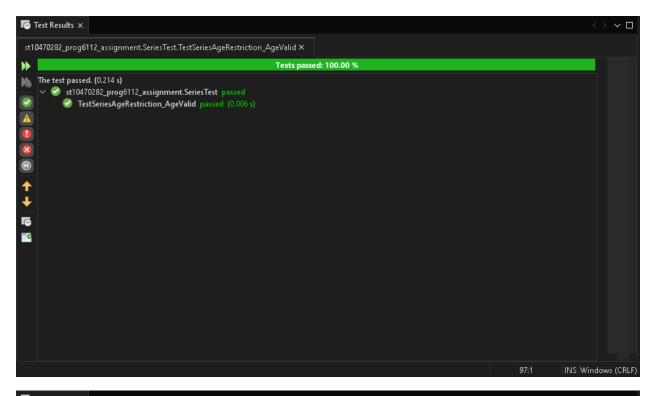


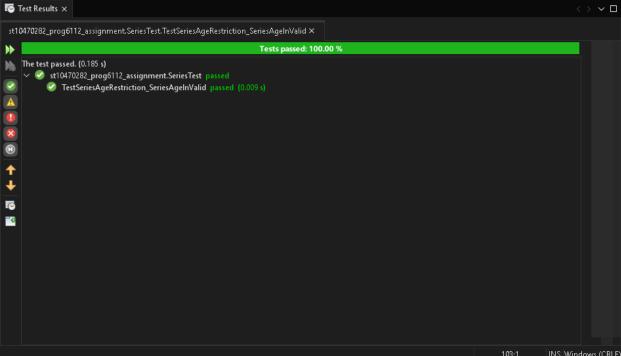












Question 2 Code:

```
| Deckage prog6112.q2.st10470282.assignment; | Deckage prog6112.q2.st10470470282.assignment; | Deckage prog6112.q2.st10470282.assignment; | Deckage prog6112
```

```
Source History Case 3:

case 3:

//Calling method WithdrawNoney with argument Scan and Account WithdrawNoney(Scan, Account);
break;

case 4:

//Calling method PrintReport with argument Scan and Account PrintReport(Scan, Account);
break;

case 5:

SortAccount(Scan, Account);
break;

case 6:

//Calling method ExitApplication with argument Scan and Account ExitApplication(Scan);
APP = false;
break;

//if the user does not select a number between 1 and 5 it will display and error //The menu will then loop again default:

System.out.println("Option is invalid!");
System.out.println("");

//Created a method called ShowNenu
//It prints out the menu of the banking system
public static void ShowNenu()(
```

```
Source History Maintenance History Maintenance
```

```
| Java for loops | Java
```

Unit Test for Question 2 (Class Bank Account):

```
Source History 🕼 📮 - 👼 - 💆 - 💆 - 📮 - 🔭 - 🚰 - 📑 - 🖆 - 👮 - 懂 - 📑
     package prog6112.q2.st10470282.assignment;
     public class BankAccountTest {
         public static void setUpClass() {
         @Before
                                                                                          90:43
                                                                                                   INS Windows (CRLF)
Source History 🔯 🐺 - 🐺 - 💆 - 💆 - 📮 - 📑 - 🖆 🌁 - 🖷 - 📲 - 📑
                                                                                                               ) F
                                                                                          90:43
```

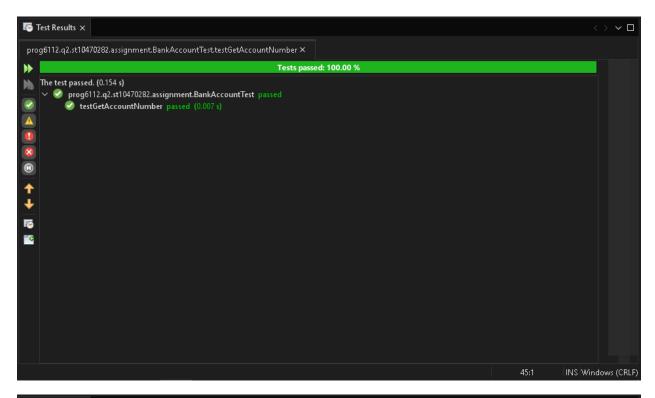
Unit Test Results for Bank Account:

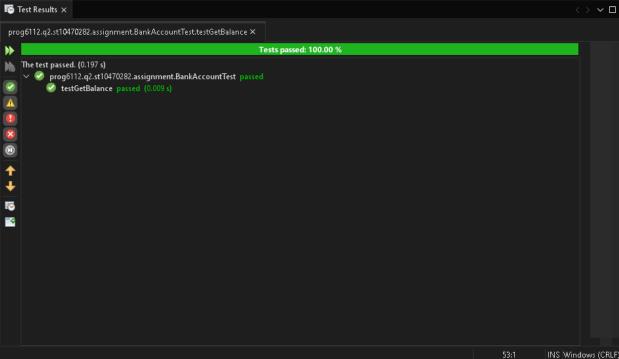
```
Tests Passed: 100.00 %

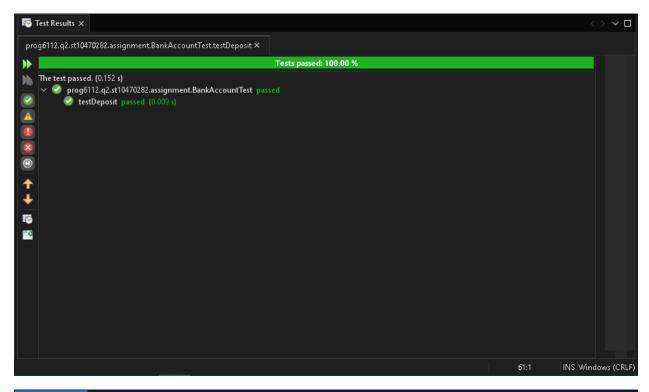
Tests passed: 100.00 %

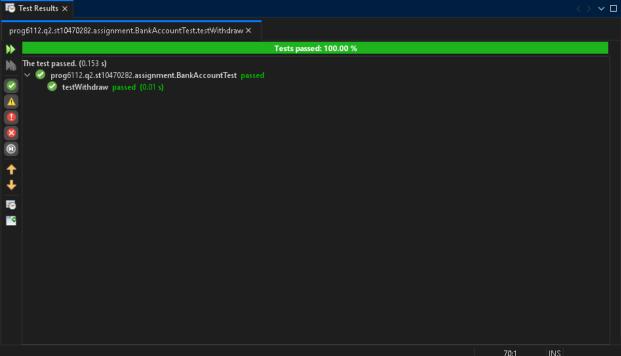
Time test passed: 100.00 %

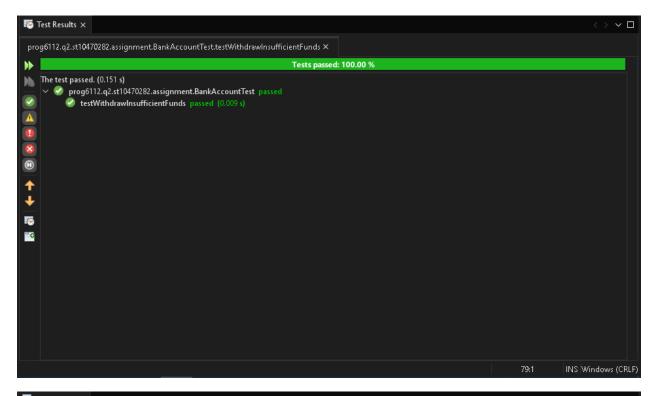
Time test
```

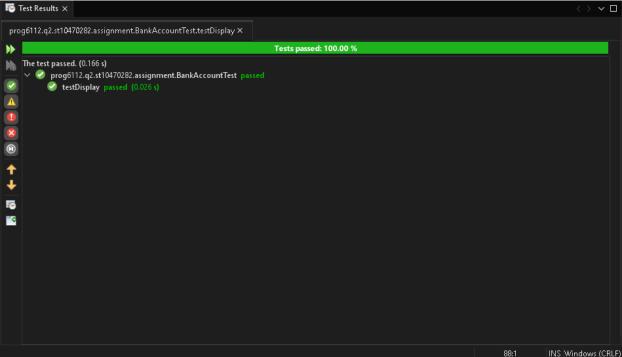








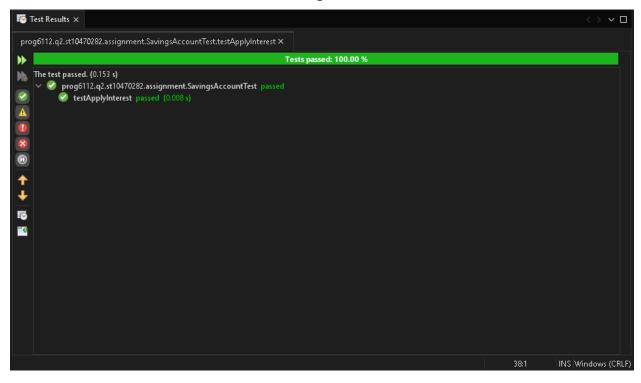


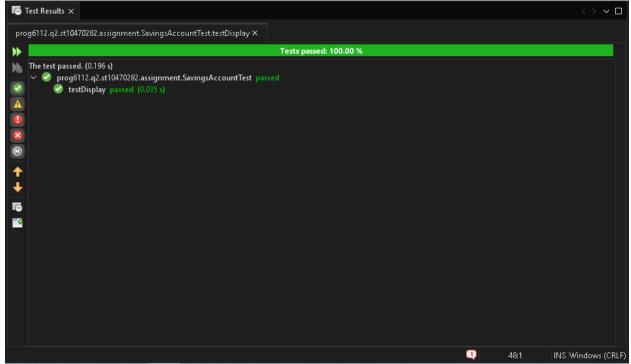


Unit Test for class Savings Account:

```
Source History 🕼 🔯 - 🐺 - 🔍 🔻 👺 📮 📑 🐓 🔩 👲 🏥 💿 🔳 😃 📑
        public void setUp() {
                                                                                 48:1
                                                                                        INS Windows (CRLF)
Source History 🔐 💀 - 🐺 - 💆 🐥 👺 📑 📑 🏥 🍎 🔳 🏄 📑
▶ □
▶
          String result = savingsAccount.Display();
                                                                                        INS Windows (CRLF)
```

Unit Test Results for class Savings Account:

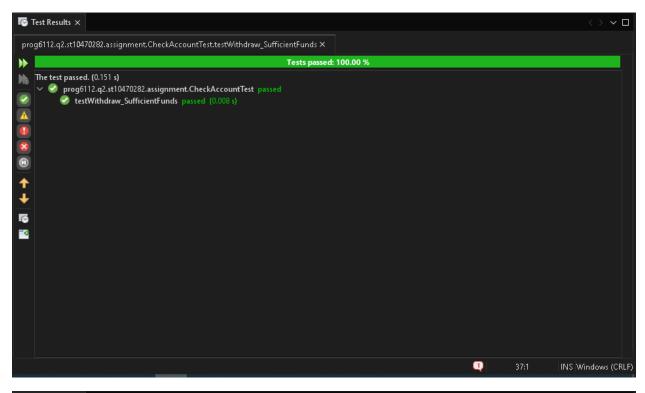


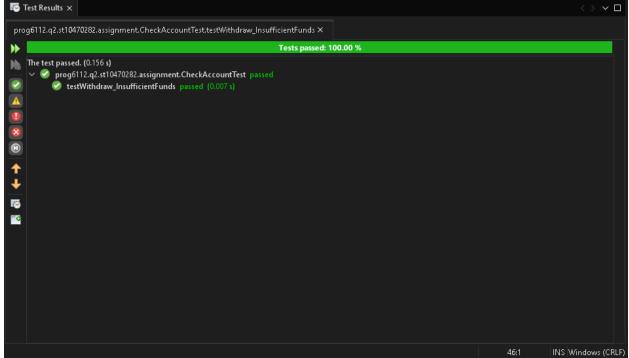


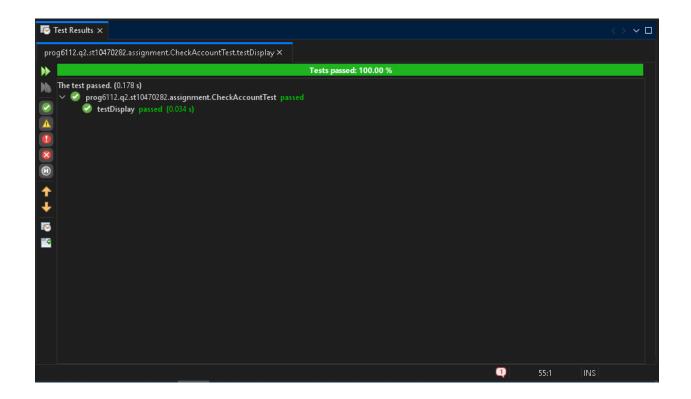
Unit Test for class Check Account:

```
public void setUp() {
    History 🔣 🖫 - 🗐 - 🔍 👺 👺 📑 📑 🏥 🕌 🏥 🛑 🔳 💯 🚅
                                                                          >
      public void testWithdraw_SufficientFunds() {
>
      public void testWithdraw_InsufficientFunds() {
>
```

Unit Test Results for class Check Account:







Github Repository link:

https://github.com/VCCT-PROG6112-2025-G3/ST10470282-PROG6112-Assignment-Keenan.git