# Test Case Execution Results – Project 2 (Part 3)

# Run your app on your device or an emulator and include the execution results of test cases. There are two parts you should do for this.

1. You have to provide **a summary of your execution results** for all test cases. Write **either “Pass” or “Fail” clearly** at each “Result” cell. If your program **doesn’t pass completely**, it has to be **“Fail”**.
2. You have to include **screenshot(s) of each test case as evidence**. If you do not include the screenshot(s) for a test case, we will assume that your app doesn’t pass the test case. If you need more than one screenshot in a test case, you must include all of them. For example, the test case 4 requires two screenshots. If your app does not pass both, it means that your app is “Fail”.

====================== Summary of Test Case Execution Result ======================

|  |  |
| --- | --- |
| **Test Case No** | **Result** |
| Test case 1 | Pass |
| Test case 2 | Pass |
| Test case 3 |  |
| Test case 4 |  |
| Test case 5 |  |
| Test case 6 |  |
| Test case 7 |  |
| Test case 8 |  |
| **Test Case No** | **Result** |
| Test case 9 |  |
| Test case 10 |  |
| Test case 11 |  |
| Test case 12 |  |
| Test case 13 |  |
| Test case 14 |  |
| Test case 15 |  |
| Test case 16 |  |

======================== Test Cases for Project 2 (Part 3) ========================

1. When your app starts, it should provide the main GUI with four options of "Create Account", "Place Hold", "Cancel Hold", and "Manage System".

A screenshot of a cell phone

Description automatically generated

1. Create a correct account

- Select "Create Account"

- Username: csumb99

- Password: csumb99

🡺 The System informs the Customer that the new account has been created successfully.

A screenshot of a cell phone

Description automatically generated

1. Manage the system - Verify the newly created account

- Select "Manage System"

- Username: Admin2

- Password: Admin2

🡺 The system should display

1. Transaction type: New account

2. Customer's username: csumb99

3. Transaction date: Depend on your testing date.

4. Transaction time (= hour and minute): Depend on your testing time.

[Note: In this test case, we will not add new book.]

**<<< Insert a screenshot with the transaction information here. >>>**

1. Create an incorrect account

- Select "Create Account"

- Username: cs@csumb

- Password: cscsumb123

🡺 The System should display an error message of incorrect format.

**<<< Insert a screenshot with the error message here. >>>**

- Username: csumb1234

- Password: csumb

🡺 The System should display an error message of incorrect format.

**<<< Insert a screenshot with the second error message here. >>>**

1. Create an incorrect account - Duplicated username

- Select "Create Account"

- Username: chris12

- Password: CHRIS12

🡺 System should display that the username already exists.

**<<< Insert a screenshot with the error message here. >>>**

- Username: csumb99

- Password: CHRIS12

🡺 The system should display that the username already exists.

**<<< Insert a screenshot with the error message here. >>>**

1. Place a hold

- Select "Place Hold"

- Pickup: 05/17/2019 02:00(PM)

- Return: 05/20/2019 01:00(PM)

- Book to hold: Fun Java

**<<< Insert a screenshot with the selection of the book. The screen should display total three books available. >>>**

- Username: csumb99

- Password: csumb99

🡺 System should display

1. Customer username: csumb99

2. Pickup date/time: 05/17/2019 02:00(PM)

3. Return date/time: 05/20/2019 01:00(PM)

4. Book Title: Fun Java

5. Reservation number: Depend on the test.

6. Total amount: $71.00

**<<< Insert a screenshot with the information of the username, pickup date/hour, return date/hour, book title, reservation number, and total amount. >>>**

1. Place a hold - One more trial

- Select "Place Hold"

- Pickup: 05/18/2019 10:00(AM)

- Return: 05/25/2019 10:00(AM)

- Book to hold: Hot Java

- Username: csumb99

- Password: csumb99

🡺 System should display

1. Customer username: csumb99

2. Pickup date/time: 05/18/2019 10:00(AM)

3. Return date/time: 05/25/2019 10:00(AM)

4. Book Title: Hot Java

5. Reservation number: Depend on the test.

6. Total amount: $8.40

**<<< Insert a screenshot with the information of the username, pickup date/hour, return date/hour, book title, reservation number, and total amount. >>>**

1. Place a hold - Handle More than 7 Days Rental

- Select "Place Hold"

- Pickup: 05/17/2019 10:00(AM)

- Return: 05/27/2019 06:00(PM)

🡺 System should display

1. The System informs the Customer that the books can’t be reserved.

**<<< Insert a screenshot with an error message of the incorrect rental period. >>>**

- Pickup: 05/19/2019 05:00(PM)

- Return: 05/19/2019 08:00(PM)

- Book to hold: Algorithm for Java

- Username: csumb99

- Password: csumb99

🡺 System should display

1. Customer username: csumb99

2. Pickup date/time: 05/19/2019 05:00(PM)

3. Return date/time: 05/19/2019 08:00(PM)

4. Book Title: Algorithm for Java

5. Reservation number: Depend on the test.

6. Total amount: $0.75

**<<< Insert a screenshot with the information of the username, pickup date/hour, return date/hour, book title, reservation number, and total amount. >>>**

1. Place a hold - Handle No Book Available

- Select "Place Hold"

- Pickup: 05/19/2019 9:00(AM)

- Return: 05/25/2019 9:00(AM)

🡺 The System informs the Customer that there is no book available for the dates/hours.

**<<< Insert a screenshot with an error message for the no book available. >>>**

1. Cancel hold - Handle No Reservation

- Select "Cancel Hold"

- Username: alice5

- Password: csumb100

🡺 System should display that the Customer that there is no reservation with the username.

**<<< Insert a screenshot with an error message of no reservation. >>>**

1. Cancel hold

- Select "Cancel Hold"

- Username: csumb99

- Password: csumb99

🡺 System should display

1. All three reservations of csumb99

**<<< Insert a screenshot with the list of three books reserved. >>>**

- Select "Algorithm for Java" to cancel and confirm it.

**<<< Insert a screenshot with the confirmation of the user’s cancellation. >>>**

1. Manage the system - Verify the newly cancelled hold

Before starting this test case, stop the app to simulate the crash of the app.

You need this step to show if your app uses the database.

For this, open the “Settings” app and select your app.

After that, select “Force Stop”.

**<<< Insert a screenshot of “Force Stop” of the app. >>>**

- Select "Manage System"

- Username: Admin2

- Password: Admin2

🡺 The system should display

1. Transaction type: Cancel hold

2. Customer's username: csumb99

3. Book title: Algorithm for Java

4. Pickup date/time: 05/19/2019 05:00(PM)

5. Return date/time: 05/19/2019 08:00(PM)

6. Reservation number: Depend on the test.

7. Transaction date: Depend on the test.

8. Transaction time (= hour and minute): Depend on the test.

[Note: In this test case, we will not add new book.]

**<<< Insert a screenshot with the transaction information here. >>>**

1. Manage the system - Add a new book

- Select "Manage System"

- Username: Admin2

- Password: Admin2

🡺 The system will display logs. But it's not important at this test case.

- Librarian selects the YES option to add a new book.

1. Book title: I love Java

2. Author: Alice Otter

3. Fee: $0.50

**<<< Insert a screenshot with the confirmation of the librarian for the newly added book. >>>**

1. Manage the system - Handle Invalid Book Information

- Select "Manage System"

- Username: Admin2

- Password: Admin2

🡺 The system will display logs. But it's not important at this test case.

- Librarian selects the YES option to add a new book.

1. Book title: Hot Java

2. Author: Dr. Byun

3. Hourly Fee: $10.50

🡺 The System informs the Librarian that the information entered is not valid.

**<<< Insert a screenshot with an error message of the existing title. >>>**

1. Manage the system - Handle Invalid Book Information

- Select "Manage System"

- Username: Admin2

- Password: Admin2

🡺 The system will display logs. But it's not important at this test case.

- Librarian selects the YES option to add a new book.

1. Book title: Cool Java

2. Author: *<<< Blank >>>*

3. Hourly Fee: $5.00

🡺 The System informs the Librarian that the information entered is not valid.

**<<< Insert a screenshot with an error message of the blank field. >>>**

1. Place a hold - One more trial

- Select "Place Hold"

- Pickup: 05/30/2019 10:00(AM)

- Return: 05/31/2019 10:00(AM)

- Book to hold: I love Java

**<<< Insert a screenshot with the selection of the book. The screen should display total four books available. >>>**

- Username: Brian7

- Password: 123abc

🡺 System should display

1. Customer username: Brian7

2. Pickup date/time: 05/30/2019 10:00(AM)

3. Return date/time: 05/31/2019 10:00(AM)

4. Book Title: I love Java

5. Reservation number: Depend on the test.

6. Total amount: $12.00

**<<< Insert a screenshot with the information of the username, pickup date/hour, return date/hour, book title, reservation number, and total amount. >>>**