

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 =====

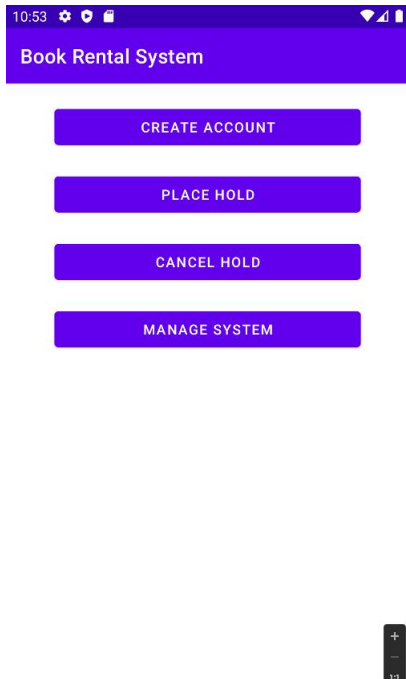
Test Case No	Result
Test case 1	Pass
Test case 2	Pass
Test case 3	Pass
Test case 4	Pass
Test case 5	Pass
Test case 6	Pass
Test case 7	Pass
Test case 8	Pass

Test Case No	Result
Test case 9	Pass
Test case 10	Pass
Test case 11	Pass
Test case 12	Pass
Test case 13	Pass
Test case 14	Pass
Test case 15	Pass
Test case 16	Pass

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

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

<<< **Insert the main GUI screenshot here.** >>>

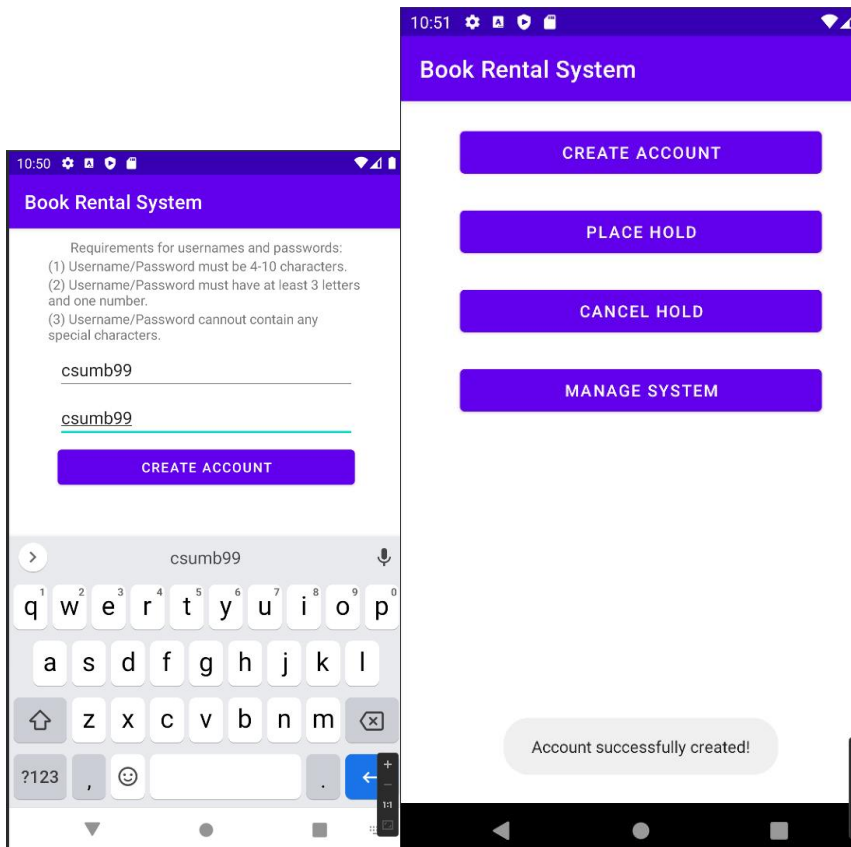


(2) Create a correct account

- Select "Create Account"
- Username: csumb99
- Password: csumb99

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

<<< Insert a screenshot with a new account creation message here. >>>



(3) Manage the system - Verify the newly created account

- Select "Manage System"

- Username: Admin2

- Password: Admin2

➔ The system should display one transaction as below

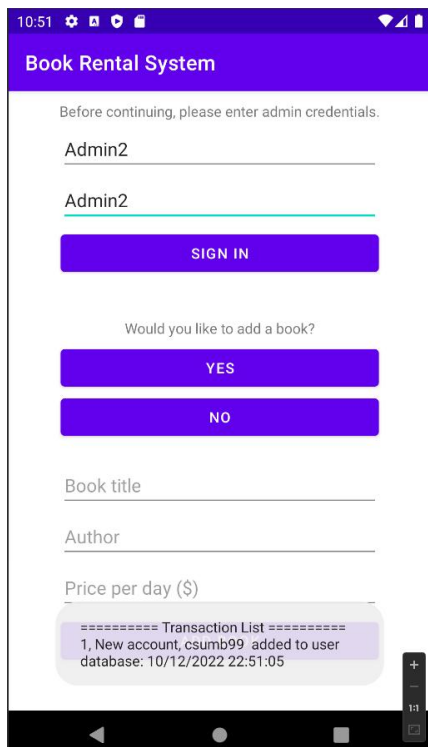
1. Transaction type: New account

2. Customer's username: csumb99

3. Transaction date and time: Depend on your testing date.

- For this test case, the Librarian will not add a new book.

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

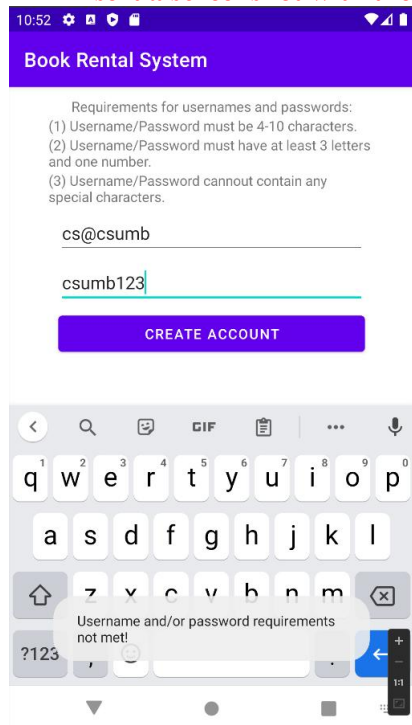


(4) Create an incorrect account

- Select "Create Account"
- Username: cs@csumb
- Password: cscsumb123

➔ The System should display an error message for the incorrect format.

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

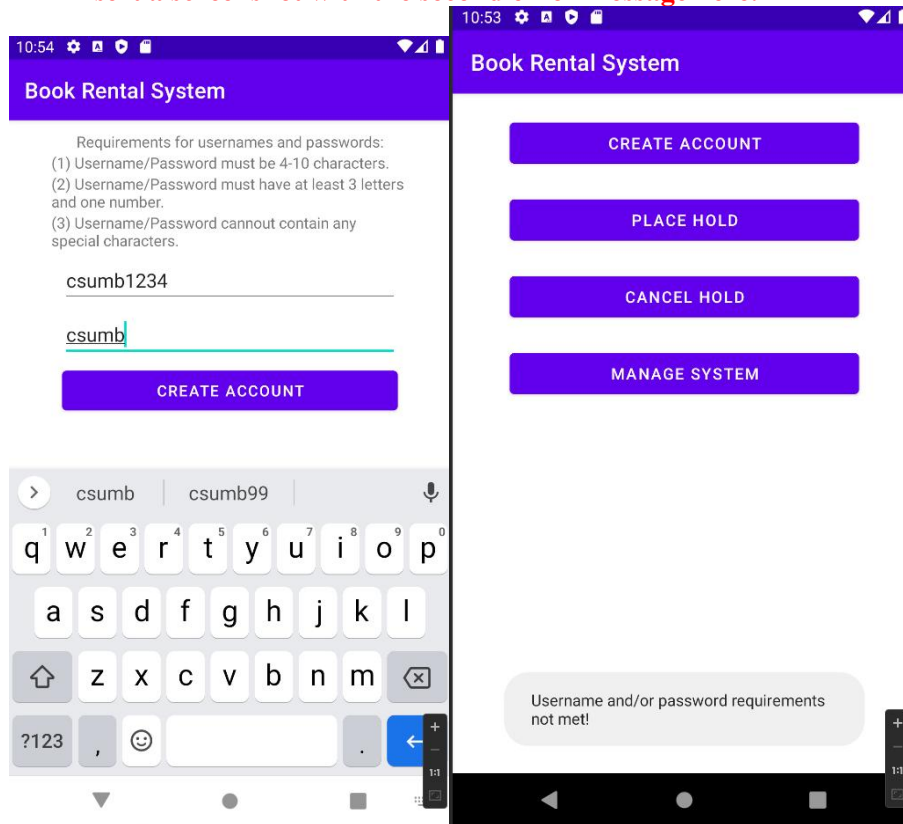


- Username: csumb1234

- Password: csumb

→ The System should display an error message for the incorrect format.

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



(5) 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.** >>>

10:54

Book Rental System

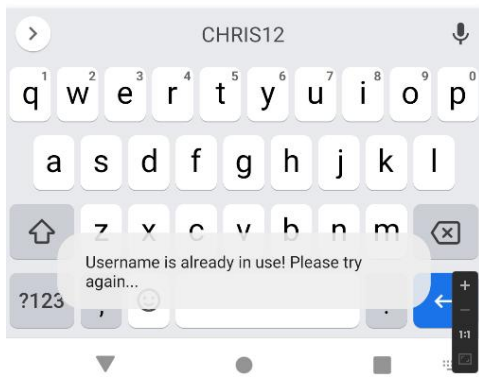
Requirements for usernames and passwords:

- (1) Username/Password must be 4-10 characters.
- (2) Username/Password must have at least 3 letters and one number.
- (3) Username/Password cannot contain any special characters.

chris12

CHRIS12

CREATE ACCOUNT

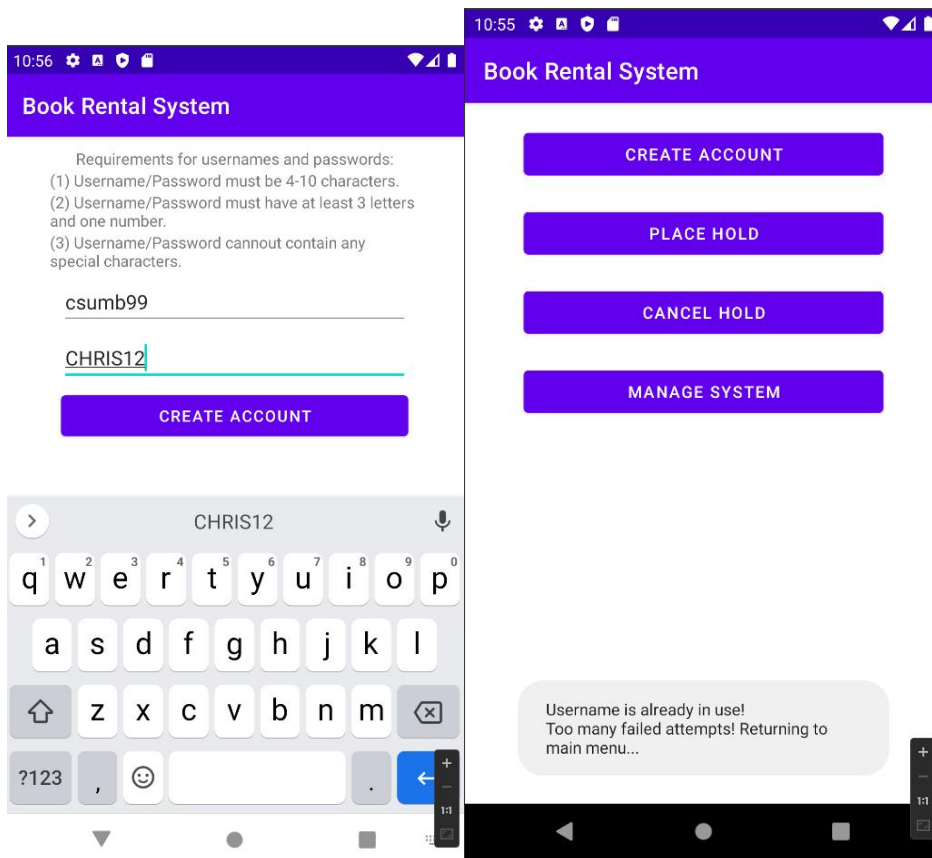


- Username: csumb99

- Password: CHRIS12

➔ The system should display that the username already exists.

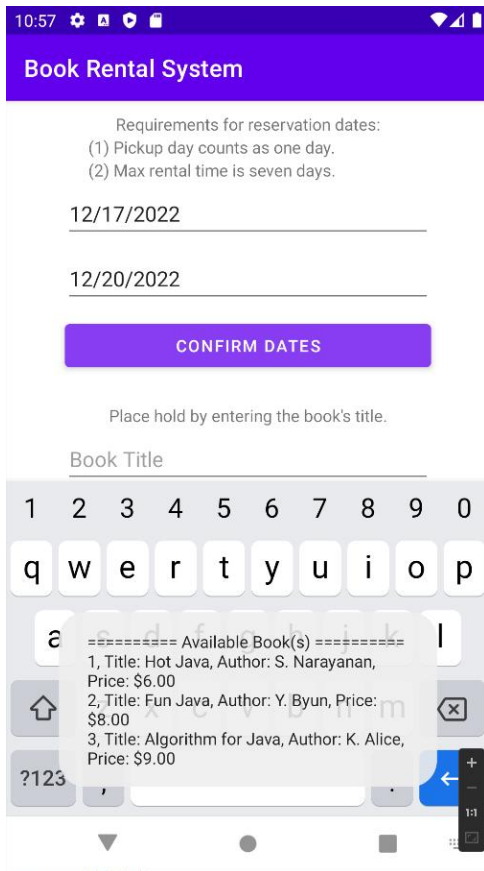
<<< **Insert a screenshot with the error message here.** >>>



(6) Place a hold

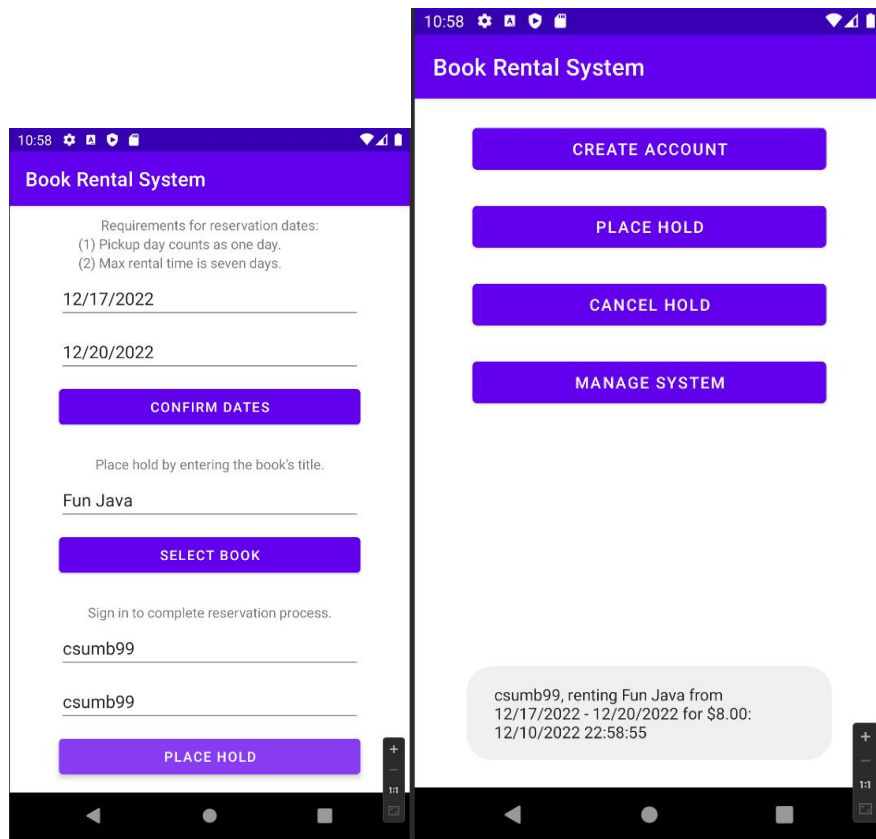
- Select "Place Hold"
- Pickup: 12/17/2022
- Return: 12/20/2022

<<< Insert a screenshot with total three books available. >>>



- Book to hold: Fun Java
- Username: csumb99
- Password: csumb99
- ➔ System should display
 1. Customer username: csumb99
 2. Pickup date: 12/17/2022
 3. Return date: 12/20/2022
 4. Book Title: Fun Java
 5. Total amount: \$8.00

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



(7) Place a hold - One more trial

- Select "Place Hold"
- Pickup: 12/18/2022
- Return: 12/24/2022
- Book to hold: Hot Java

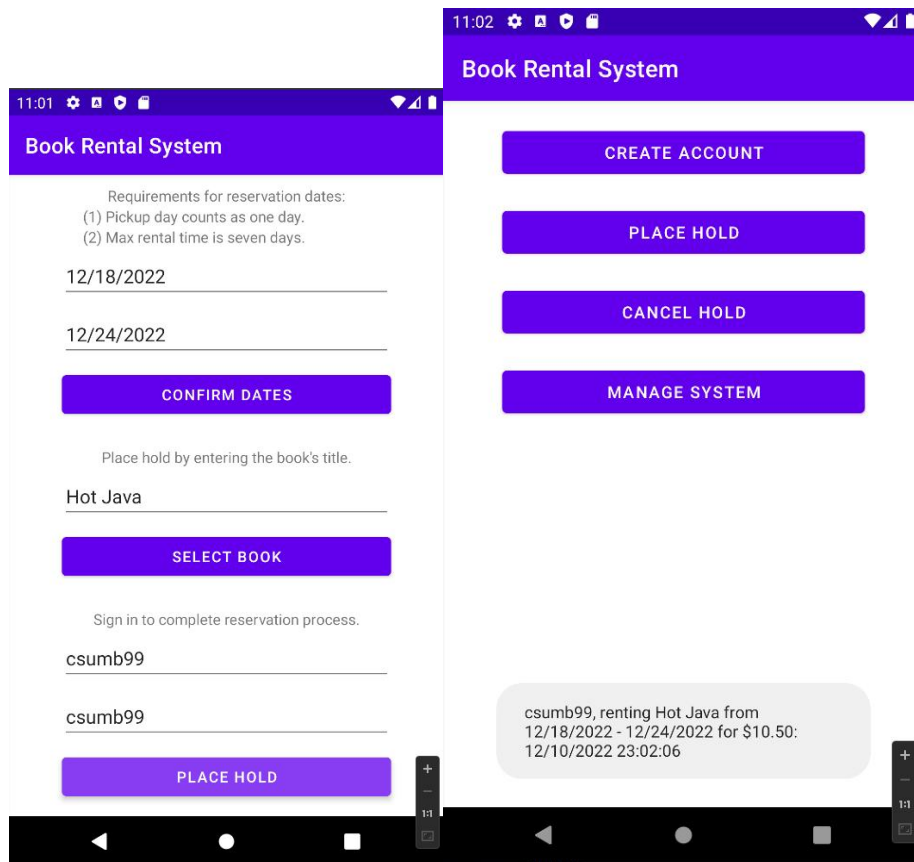
- Username: csumb99

- Password: csumb99

➔ System should display

1. Customer username: csumb99
2. Pickup date: 12/18/2022
3. Return date: 12/24/2022
4. Book Title: Hot Java
5. Total amount: \$10.50

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



(8) Place a hold - Handle More than 7 Days Rental

- Select "Place Hold"

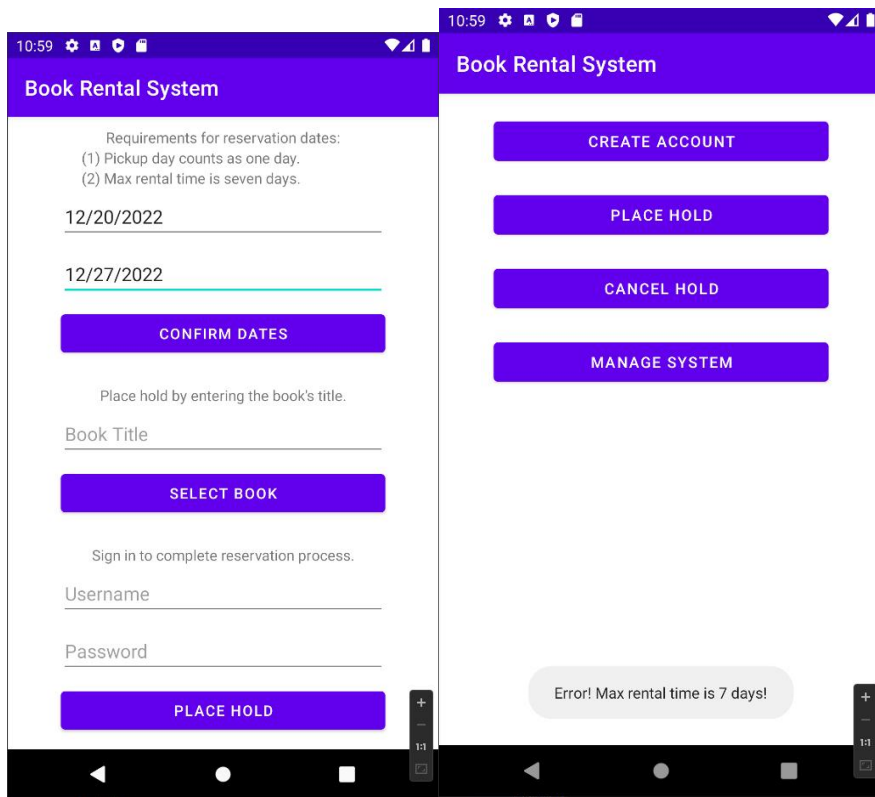
- Pickup: 12/20/2022

- Return: 12/27/2019

- ➔ 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. >>>

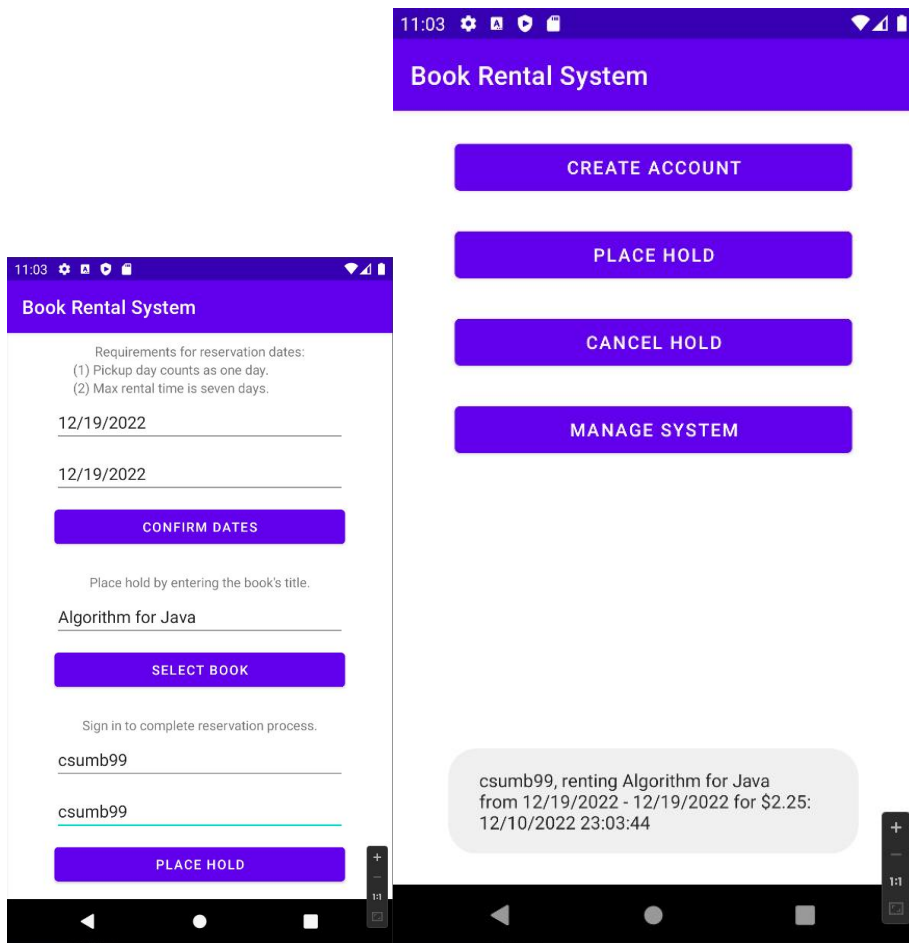


(9) Place a hold - Handle No Book Available

For this test case (= Handle no book available), you have to hold one more book as below.

- Select "Place Hold"
- Pickup: 12/19/2022
- Return: 12/19/2022
- Book to hold: Algorithm for Java
- Username: csumb99
- Password: csumb99
- ➔ System should display
 1. Customer username: csumb99
 2. Pickup date: 12/19/2022
 3. Return date: 12/19/2022
 4. Book Title: Algorithm for Java
 5. Total amount: \$2.25

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

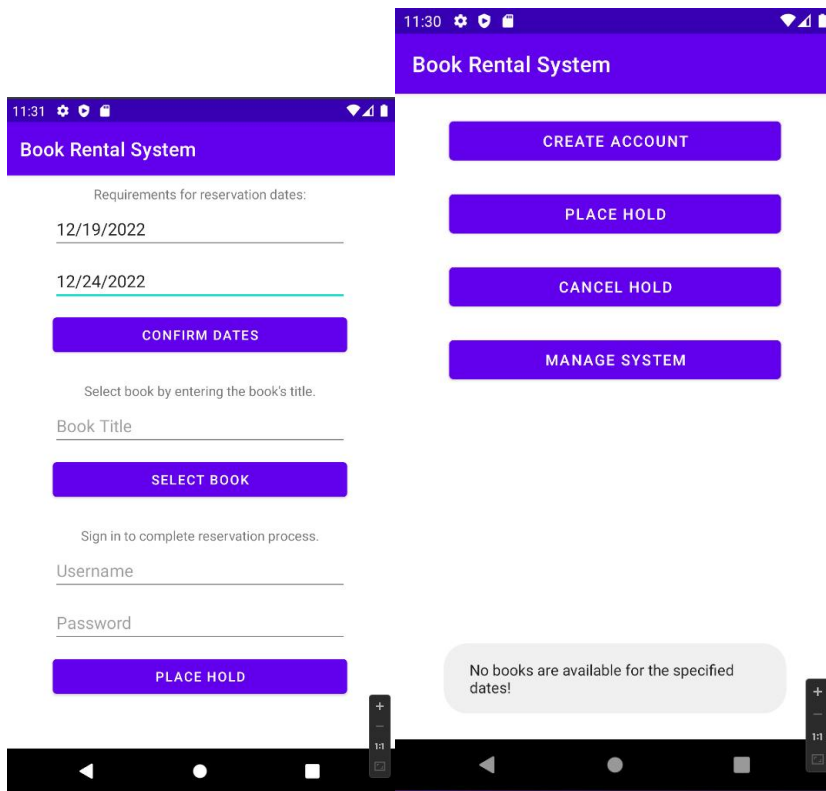


Now, the following is to show the test case of “Handle No Book Available”

- Select "Place Hold"
- Pickup: 12/19/2022
- Return: 12/24/2022

➔ The System informs the Customer that there is no book available for the dates.

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

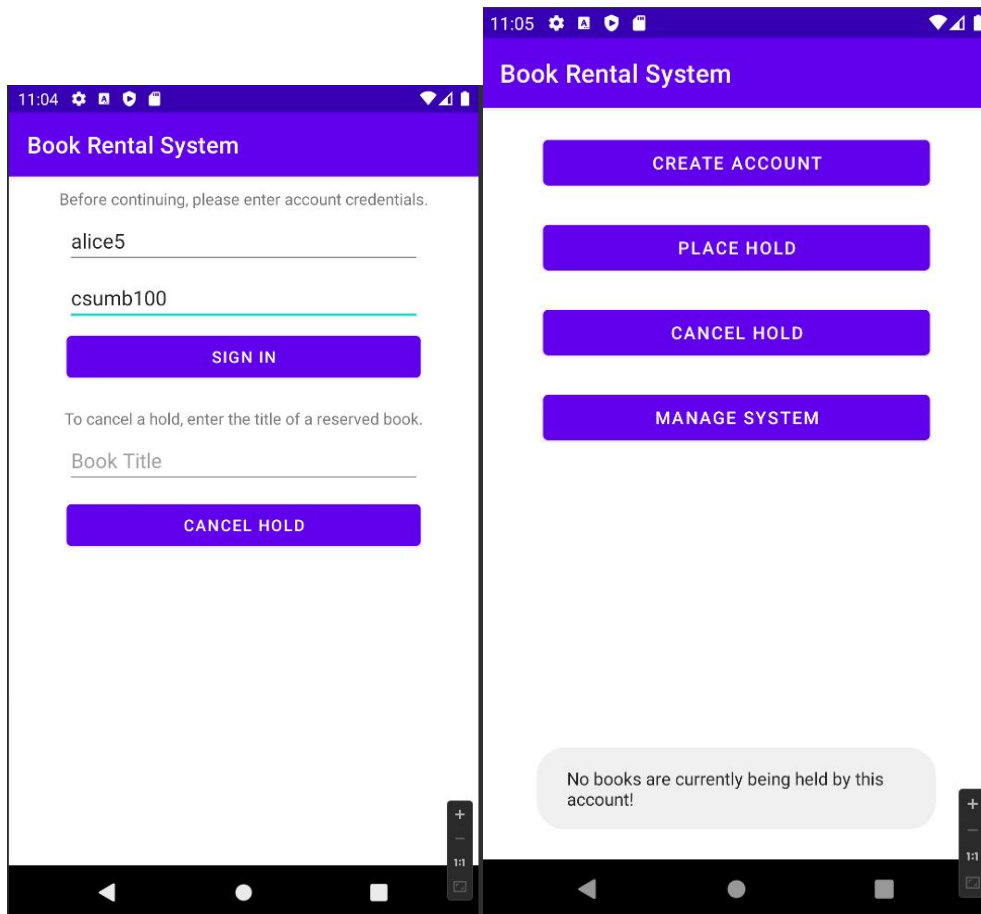


(10) Cancel hold - Handle No Reservation

- Select "Cancel Hold"
- Username: alice5
- Password: csumb100

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

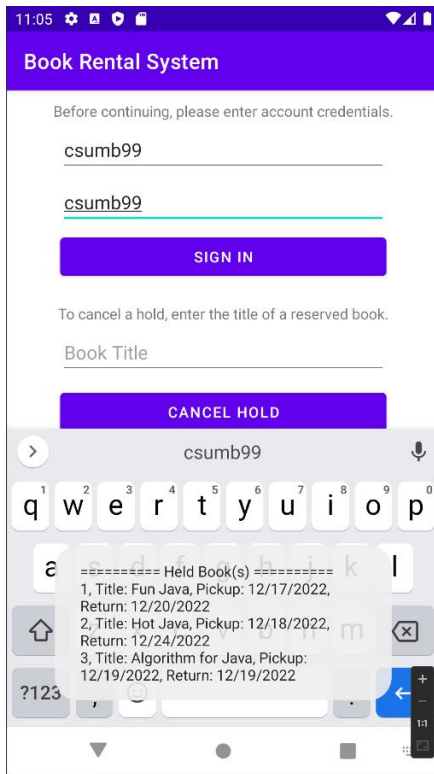
<<< Insert a screenshot with an error message of no reservation. >>>



(11) Cancel hold

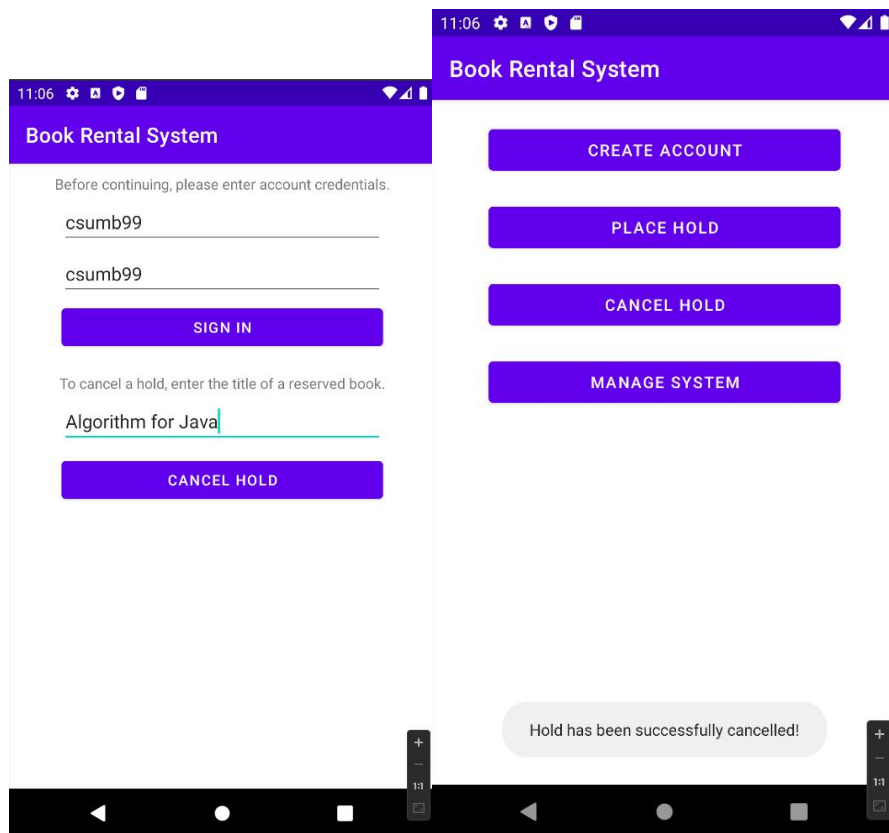
- Select "Cancel Hold"
- Username: csumb99
- Password: csumb99
- ➔ System should display
 1. All three reservations of csumb99

<<< 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. >>>



(12) Manage the system - Verify the most recent cancelled hold

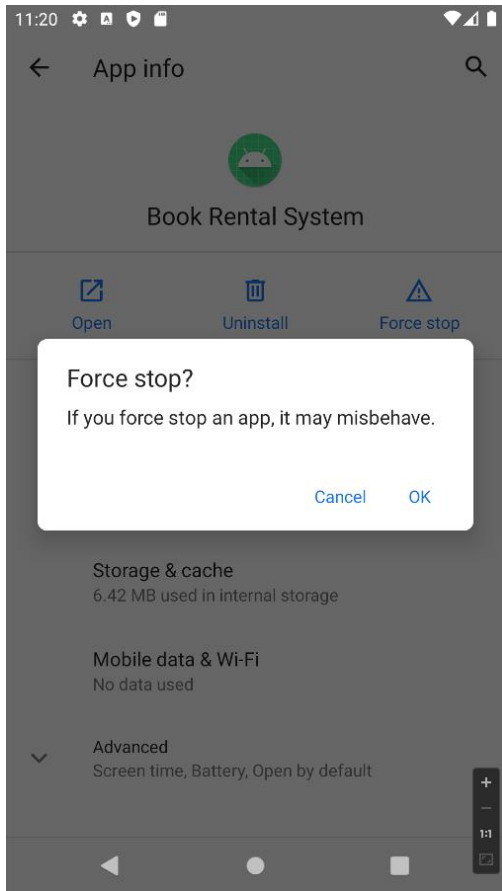
Before starting this test case, stop the app to simulate the crash of the app.

You need this step to show if your app uses the Room database or not.

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 several transactions. But the last transaction should be like below

1. Transaction type: Cancel hold

2. Customer's username: csumb99

3. Book title: Algorithm for Java

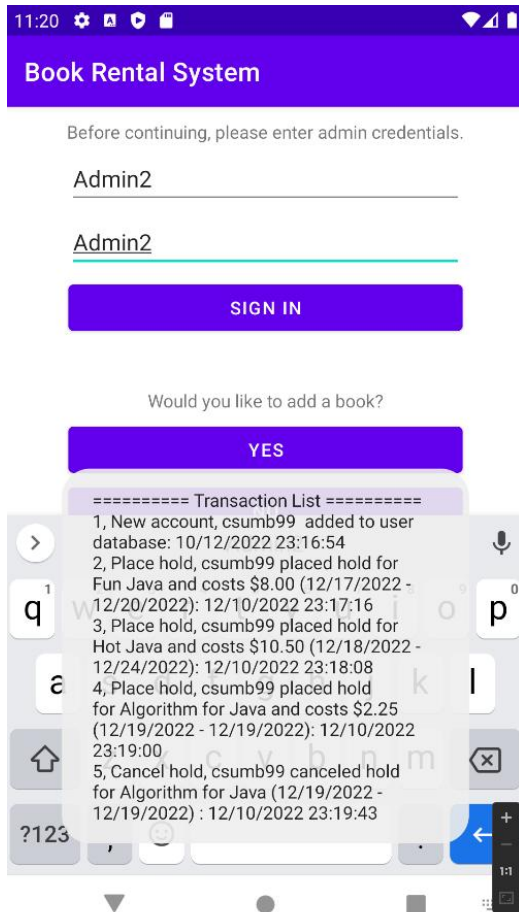
4. Pickup date: 12/19/2022

5. Return date: 12/19/2022

6. Transaction date and time: Depend on the test.

- For this test case, the Librarian will not add a new book.

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



(13) Manage the system - Add a new book

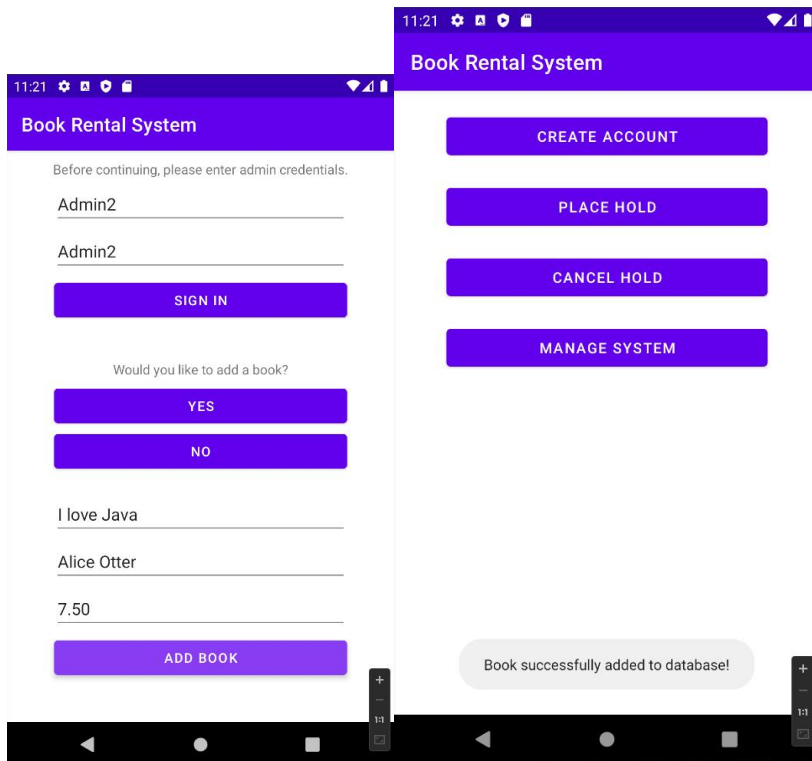
- Select "Manage System"
- Username: Admin2
- Password: Admin2

➔ The system will display transactions. 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: \$7.50

<<< **Insert a screenshot for the newly added book.** >>>



(14) Manage the system - Handle Invalid Book Information

- Select "Manage System"
- Username: Admin2
- Password: Admin2

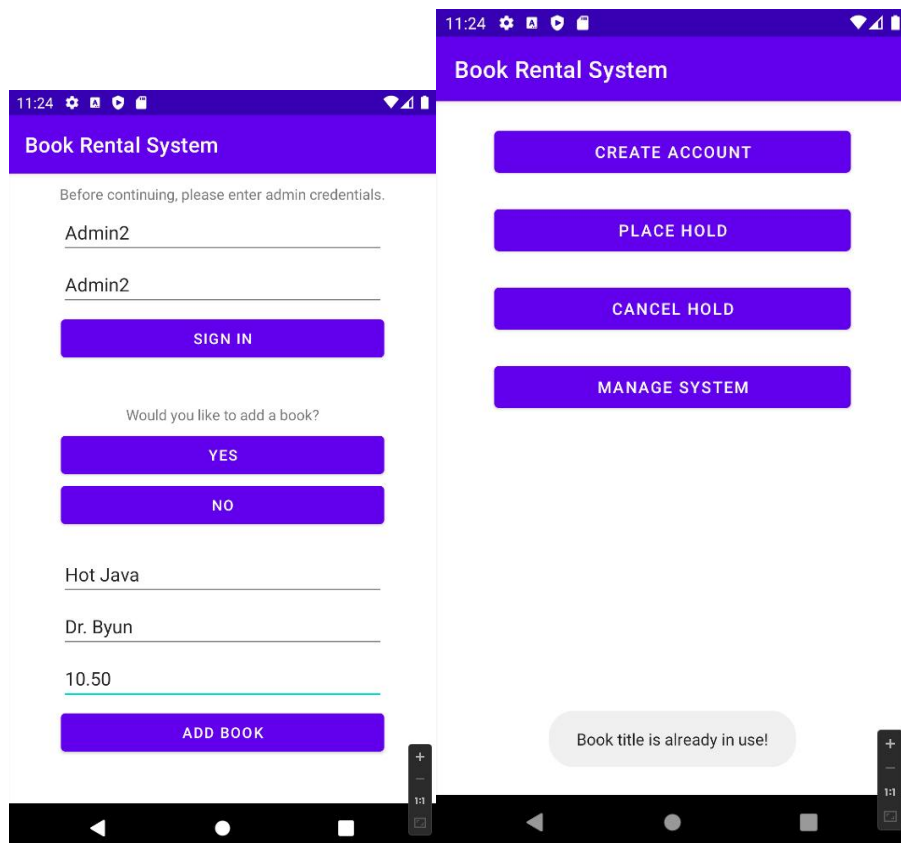
➔ The system will display transactions. But it's not important at this test case.

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

1. Book title: Hot Java
2. Author: Dr. Byun
3. Fee: \$10.50

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

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



(15) Manage the system - Handle Invalid Book Information

- Select "Manage System"

- Username: Admin2

- Password: Admin2

➔ The system will display transactions. But it's not important at this test case.

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

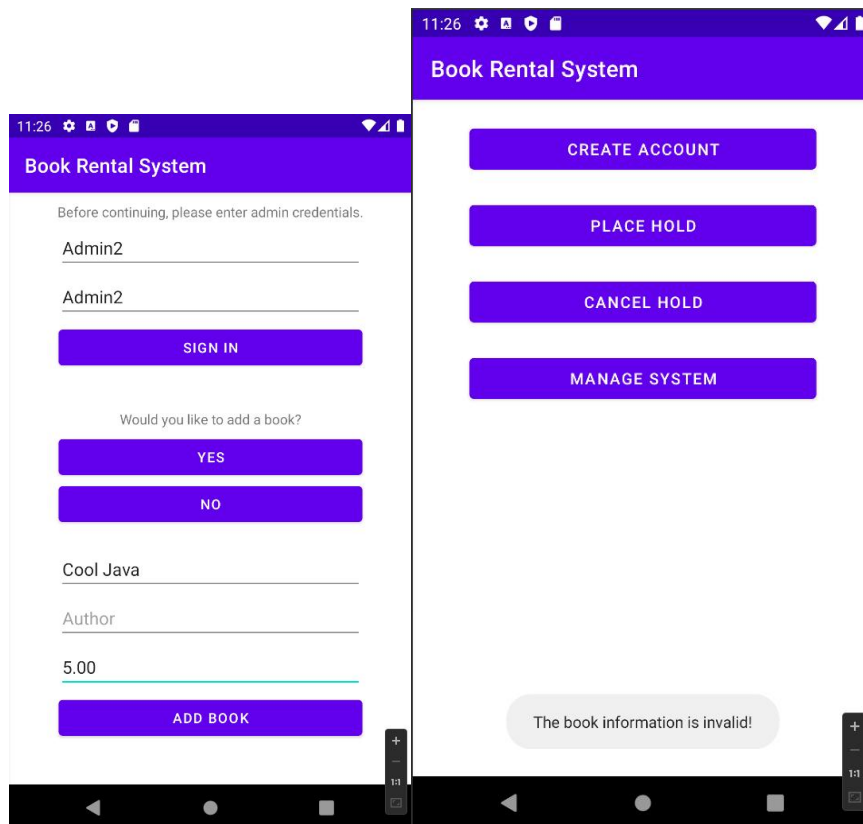
1. Book title: Cool Java

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

3. Hourly Fee: \$5.00

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

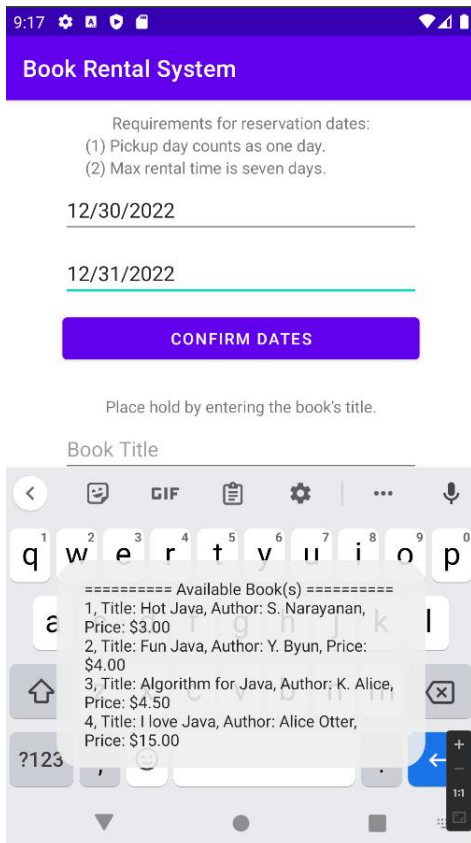
<<< **Insert a screenshot with an error message of a blank field.** >>>



(16) Place a hold - One more trial for a newly added book.

- Select "Place Hold"
- Pickup: 12/30/2022
- Return: 12/31/2022
- 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: 12/30/2022
 3. Return date: 12/31/2022
 4. Book Title: I love Java
 6. Total amount: \$15.00

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

