

City University of Hong Kong  
2022-2023 Semester A  
CS3343 Software Engineering Practice

Bug Report  
Group 13  
Summer storage management system

Bug-00001

**Title:** The client account is lost after registering with the same email

**Status:** Resolved

**Alias:** Lost client account

**Product:** Summer storage management system

**Component:** Database

**Version:** 2.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-10-19 10:31:13 HKT by Charlie Lee

**Modified:** 2022-10-23 22:38:55 HKT

[Charlie Lee](#) 2022-10-19 10:31:13 HKT

Describe the bug:

After I registered another account with the same email address as an account in the database, the original account's storage information is transferred to the new account.

Steps to reproduce the bug:

1. pull down the latest version of the program from GitHub.
2. go to the xBox/src/app folder, and switch to the "Main.java" file.
3. run the "Main.java" file.
4. register a client account with the same email address as an account in the database.
5. log in to the newly registered account, and click the record summary button.

Expected result:

On the panel, the records of this newly registered account should be empty.

Actual result:

The original account's information is transferred to this new account.

Environment:

OS: MacOS Mojave 10.14.3

IDE: Eclipse 2021-12

Version: 2.0

OpenJDK 17

Xingchen SHA 2022-10-20 17:56:15 HKT

Hi Charlie, thank you for your report. We have solved this bug in the latest

version of the storage system. Now you should be able to set up different accounts with the same email address.

Charlie Lee 2022-10-23 22:38:55 HKT

Thank you for your reply. I have checked the latest version, and this problem is solved.

Bug-00002

**Title:** Email Recording Error for record summary function

**Status:** Resolved

**Alias:** Misrecorded email

**Product:** Summer storage management system

**Component:** Admin-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Yu ZHOU

**Reported:** 2022-10-21 13:45:14 HKT by Kun

**Modified:** 2022-10-21 22:38:55 HKT

**Kun 2022-10-21 13:45:14 HKT**

Describe the bug:

After clients has submitted a rentable request, admin is supposed to handle payment in person and confirm payment using the management system interface. However, when summarizing records, the system lists the records with admin's email rather than clients', which is regarded as a output error.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. register and login admin account, confirm payment on the admin-end interface. Click record summary button.

Expected result:

On the admin-end interface, all the records should be listed with correct corresponding clients' email.

Actual result:

As in the snapshot, the rentable's email is misrecorded as the admin's email.

Environment:

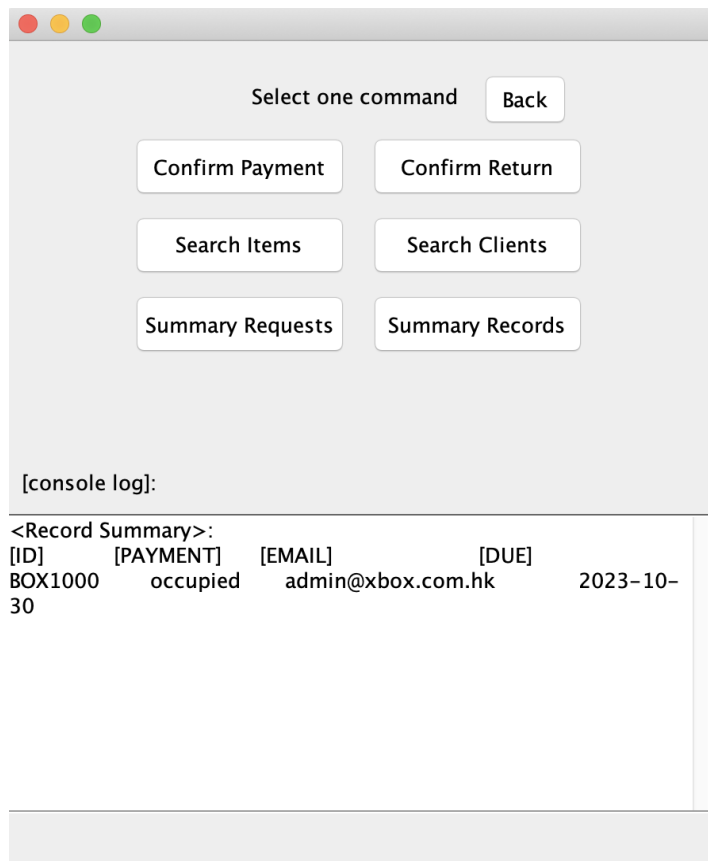
OS: MacOS Monterey 12.0

IDE: Eclipse 2021-06

Version: 2.0

OpenJDK 17.0.4

Screenshot:



Yu ZHOU 2022-10-24 07:56:15 HKT

Thanks for your kindly reporting, Kun. You're correct, this email was misrecorded due to some defections of the program. We have updated our program and fixed this bug in the latest version, on which you could check out.

Kun 2022-10-24 09:18:25 HKT

Seems that this bug has been properly solved, thanks.

Bug-00003

**Title:** Unwanted undo operation for clients

**Status:** Resolved

**Alias:** incorrect undo

**Product:** Summer storage management system

**Component:** Client-end

**Version:** 2.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Yu ZHOU

**Reported:** 2022-10-21 14:25:24 HKT by Eric Ye

[Eric Ye](#) 2022-10-21 14:25:24 HKT

Describe the bug:

After the client submits requests and pays for the rentable fees, the admin should process this transaction by clicking on the confirm payment button on the admin-end interface. Then the transaction is deemed as completed and any withdrawal operations should not be allowed. However, on the client side, it is still feasible for clients to undo the previous operations, which is an illegal action. There should be either direct denial or alert messages pop-out to prohibit the client from committing the undo operation.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. register and login admin account, confirm payment on the admin-end interface. Click record summary button.
6. switch back to client interface, click undo button.

Expected result:

Since the admin has confirmed payment and this transaction has been done, the client should not have the ability to undo the previous requests. After clicking the undo button, the console should inform the client that nothing can be undo.

Actual result:

The client successfully commits undo with no alerts.

Environment:

OS: MacOS Catalina 10.15.7

IDE: BlueJ 5.1.0

Version: 2.0

Yu ZHOU 2022-10-22 07:28:53 HKT

Thanks for your report, Eric. There is a serious defection of the database cache, we have taken urgent measures to fix this issue. As we suppose, it is strictly forbidden to undo/redo once the user has logged out.

Yu ZHOU 2022-10-24 11:22:21 HKT

Hi Eric, our latest version program has been released, and please check out whether it can work properly in your case. Thanks.

Eric Ye 2022-10-24 16:28:55 HKT

I think this issue has been solved, thanks for your effort on it.

Bug-00004

**Title:** The client account cannot use the same email address as the admin account

**Status:** Resolved

**Alias:** The same email address with different types

**Product:** Summer storage management system

**Component:** Database

**Version:** 2.0

**Platform:** PC Windows

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-10-21 10:31:13 HKT by Alisha Lam

**Modified:** 2022-10-23 22:38:55 HKT

[Alisha Lam](#) 2022-10-21 10:31:13 HKT

Describe the bug:

After registering an admin account, the system does not allow users to use the same email address to register another client account.

Steps to reproduce the bug:

1. pull down the latest version of the program from GitHub.
2. go to the xBox/src/app folder, and switch to the "Main.java" file.
3. run the "Main.java" file.
4. register an admin account in the system.
5. close the program, and run the "Main.java" file again.
6. try to register another client account with the same email address just used for the admin account.

Expected result:

The client account should be created without any problems

Actual result:

As in the snapshot, the system does not allow users to register with this email address.

Environment:

OS: Windows 10

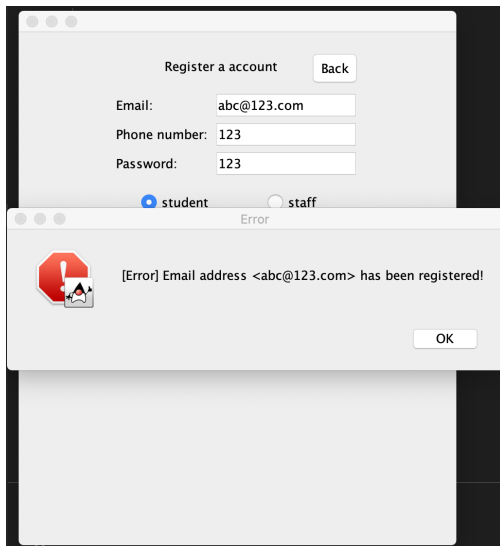
IDE: IntelliJ IDEA 2022.1

Version: 2.0

OpenJDK 11

Screenshot:





Xingchen SHA 2022-10-21 10:31:13 HKT

Hi Alisha, thank you for your report. We have solved this bug in the latest version of the storage system. Now you should be able to create a client account with the same email address as your admin account.

Alisha Lam 2022-10-23 22:38:55 HKT

Thank you for your reply. I update my system and find the problem is resolved.

Bug-00005

**Title:** The display panel cannot show the complete information

**Status:** Resolved

**Alias:** Incomplete display information

**Product:** Summer storage management system

**Component:** Client-end

**Version:** 3.0

**Platform:** PC Windows

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-10-28 19:31:13 HKT by Zoe Cheung

**Modified:** 2022-11-1 22:38:55 HKT

[Zoe Cheung](#) 2022-10-28 19:31:13 HKT

Describe the bug:

After the user changes the program window size, the panel cannot show the complete information.

Steps to reproduce the bug:

1. pull down the latest version of the program from GitHub.
2. go to the xBox/src/app folder, and switch to the "Main.java" file.
3. run the "Main.java" file.
4. register a client/admin account in the system.
5. log into the system with the account
6. adjust to the smallest window size and notice the data output panel

Expected result:

The panel can still display all the output information.

Actual result:

As in the snapshot, the panel shows partial information, and the remaining information is missing or blocked.

Environment:

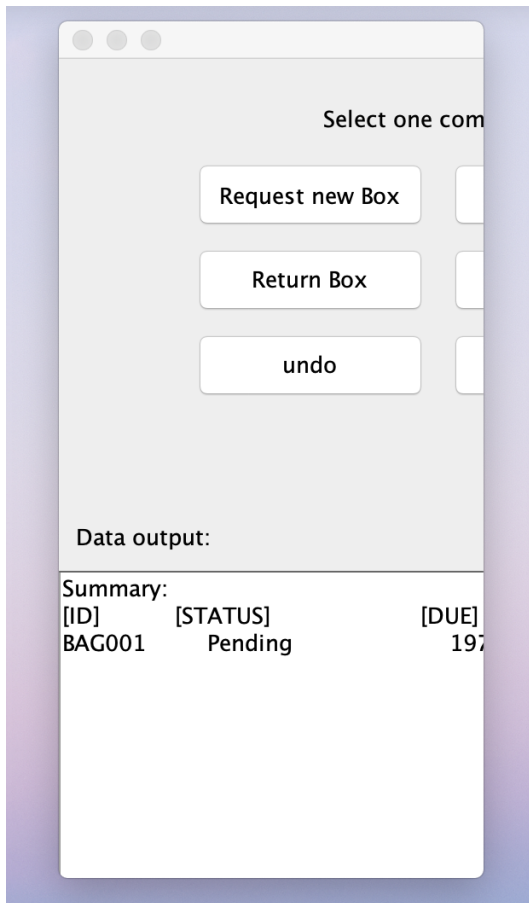
OS: Windows 10

IDE: IntelliJ IDEA 2022.1

Version: 3.0

OpenJDK 17

Screenshot:



Xingchen SHA 2022-10-28 19:31:1 HKT

Hi Zoe, thank you for your report. We have solved this display bug. Now you should always be able to see the complete information no matter how you change the window size.

Zoe Cheung 2022-11-01 22:38:55 HKT

Thank you for your reply. I updated my system and find the problem is resolved.

Bug-00006

**Title:** Unable to redo after revoking the undo function with no instruction to redo

**Status:** Resolved

**Alias:** Redo function failure with an empty undo function

**Product:** Summer storage management system

**Component:** Client-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-11-1 9:31:13 HKT by Alex Lam

**Modified:** 2022-11-3 12:38:55 HKT

[Alex Lam](#) 2022-11-1 9:31:13 HKT

Describe the bug:

After the user clicks the undo function but has actually no instruction to withdraw, the user will fail to redo all the instructions before.

Steps to reproduce the bug:

1. pull down the latest version of the program from GitHub.
2. go to the xBox/src/app folder, and switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and log in to a client/admin account in the system.
5. conduct some common instructions of the program, including requesting and returning the boxes
6. keep undoing all the instructions and then revoke the undo function one more time
7. click the redo button many times and check whether previous instructions are transferred into the system again

Expected result:

The user should be able to run all the previous instructions again by revoking the redo function.

Actual result:

The user's previous instructions are missing and cannot run by clicking the redo function button.

Environment:

OS: MacOS Ventura 13.0.1

IDE: BlueJ 5.1.0

Version: 3.0

OpenJDK 17

Xingchen SHA 2022-11-02 11:31:1 HKT

Hi Alex, thank you for your report. We have solved this bug in the latest version. Now you should be able to redo all the previous instructions.

Alex Lam 2022-11-03 12:38:55 HKT

Thank you for your reply. I updated my system and found the problem was resolved.

Bug-00007

**Title:** Unable to redo after the function collapses

**Status:** Resolved

**Alias:** Missing previous instructions after collapses

**Product:** Summer storage management system

**Component:** Database

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-11-1 9:31:13 HKT by Tom Chiu

**Modified:** 2022-11-3 12:38:55 HKT

**Tom Chiu** 2022-11-1 9:31:13 HKT

Describe the bug:

After the program is closed or collapsed, the user restarts the program and finds him unable to redo or undo his previous instructions.

Steps to reproduce the bug:

1. pull down the latest version of the program from GitHub.
2. go to the xBox/src/app folder, and switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and log in to a client/admin account in the system.
5. conduct some common instructions of the program, including requesting and returning the boxes
6. close the program by force quit
7. repeat steps 3 and 4
8. click the redo or undo function and check if previous instructions remain in the database.

Expected result:

The user should be able to operate on all the previous instructions again after rerunning the program.

Actual result:

The user's previous instructions are all missing.

Environment:

OS: ubuntu 22.04

IDE: Eclipse 2021-12

Version: 3.0

OpenJDK 11

Xingchen SHA 2022-11-2 9:31:1 HKT

Hi Tom, thank you for your report. We have solved this bug in the latest version. Now you should be able to restore all the previous instructions after you reopen the program.

Tom Chiu 2022-11-03 12:38:55 HKT

Thank you for your reply. I updated my system and find the problem is resolved.

Bug-00008

**Title:** Summary Request function for Admin-end not work

**Status:** Resolved

**Alias:** summary request malfunction

**Product:** Summer storage management system

**Component:** Admin-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Yu ZHOU

**Reported:** 2022-11-2 18:26:14 HKT by Charles Yu

**Charles Yu 2022-11-2 18:26:14 HKT**

Describe the bug:

I login as an admin and confirmed part of the payment, however, when I click on the request summary, the unhandled request were unexpectedly disappeared.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. register and login admin account, confirm payment on the admin-end interface. Click request summary button.

Expected result:

On the admin-end interface, all the unhandled requests should be listed correctly.

Actual result:

As in the snapshot, there is nothing on the console after I click on the request summary button.

Environment:

OS: ubuntu 20.04

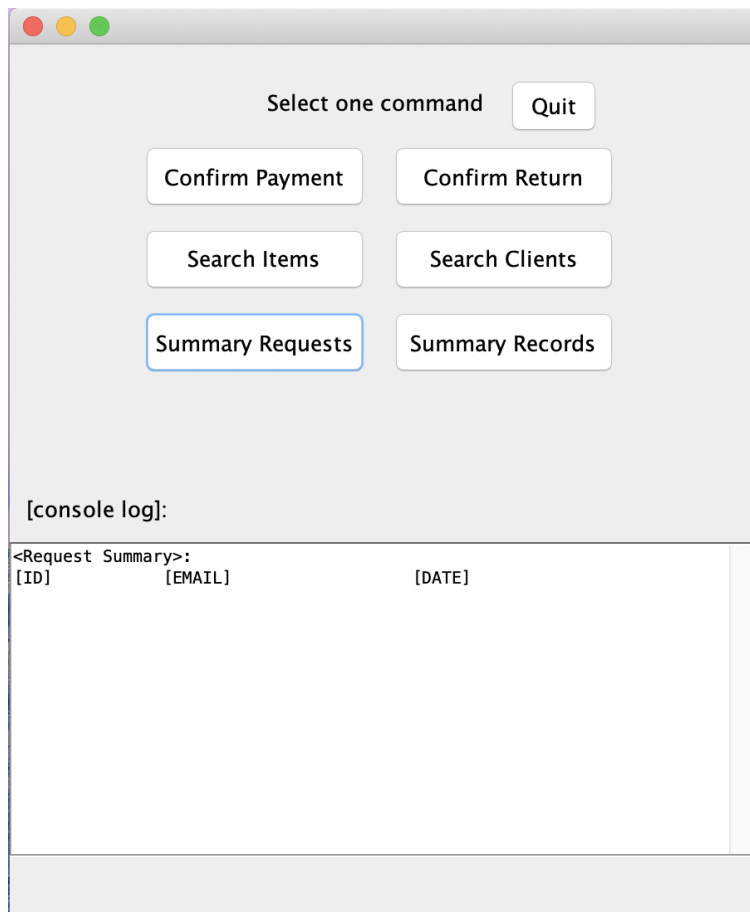
IDE: IntelliJ IDEA 2022.1

Version: 3.0

OpenJDK 17

Screenshot:





Yu ZHOU 2022-11-3 10:38:55 HKT

Hi Charles, actually your issue is an default behavior of the system, which is supposed to be normal. As we think that all the unhandled requests from the same user are regarded as the box unused, and therefore should be taken out of the request queue. We will demonstrate this in docs later, and add some further information to it. A lot of thanks for your report.

Charles Yu 2022-11-3 19:11:23 HKT

I see. Then this issue is resolved, I'll close it. Thanks a lot.

Bug-00009

**Title:** Existing client cannot be correctly searched

**Status:** Resolved

**Alias:** Client cannot be searched

**Product:** Summer storage management system

**Component:** Admin-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Yu ZHOU

**Reported:** 2022-11-3 08:12:23 HKT by Jacky Mo

**Jacky Mo 2022-11-3 08:12:23 HKT**

Describe the bug:

When I login the system and verified the client account status, I could get the its info even I know this account had been legally registered.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. register and login admin account, confirm payment on the admin-end interface. Click search client button and input the client account email previously registered.

Expected result:

On the admin-end interface, the client account should be output correctly with all related rentables information.

Actual result:

As in the snapshot, there is nothing on the console but errors reported after I clicked on the search client button.

Environment:

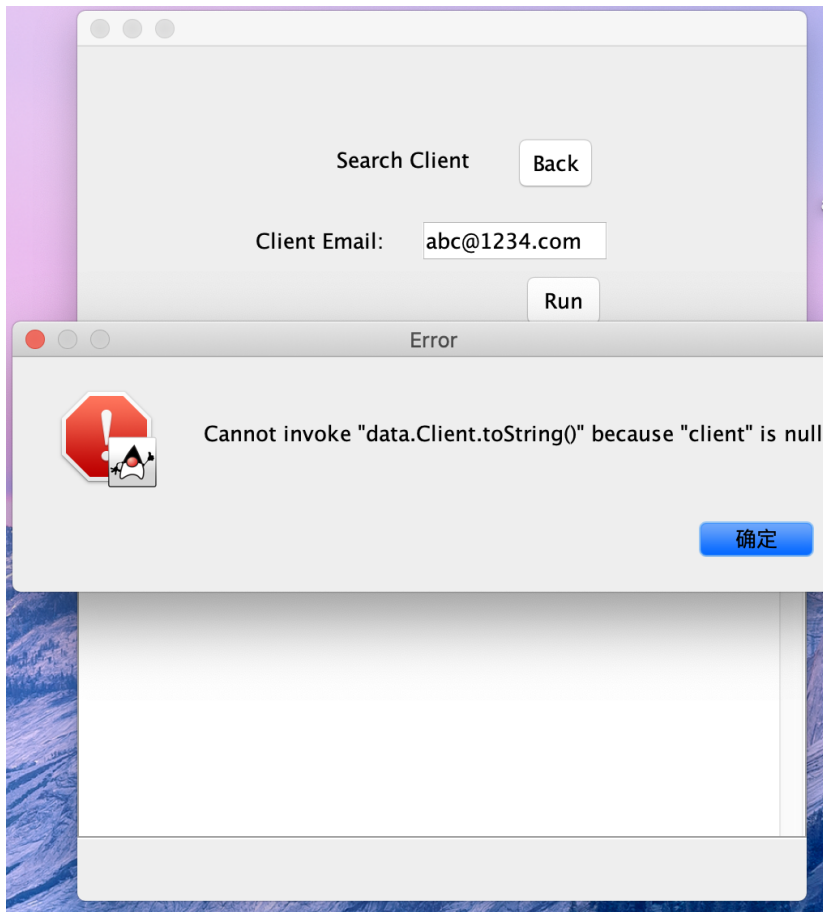
OS: ubuntu 22.04

IDE: BlueJ 5.1.0

Version: 3.0

OpenJDK 17

Screenshot:



Bug-00010

**Title:** rentable status is unexpectedly modified without payment

**Status:** Resolved

**Alias:** misrecorded payment status

**Product:** Summer storage management system

**Component:** Admin-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Yu ZHOU

**Reported:** 2022-11-3 15:31:31 HKT by Alan Zhao

**Alan Zhao 2022-11-3 15:31:31 HKT**

Describe the bug:

When I login the system and verified the client account status, I could get the its info even I know this account had been legally registered.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. repeat step 4 to produce several accounts and to request rentables and store part of them.
6. register and login admin account, confirm partial payment on the admin-end interface.

Expected result:

On the admin-end interface, only the rentables with proper payment should be labelled with paid when being output on the console.

Actual result:

As in the snapshot, some unpaid transactions were also marked as paid after I clicked on the summary record button.

Environment:

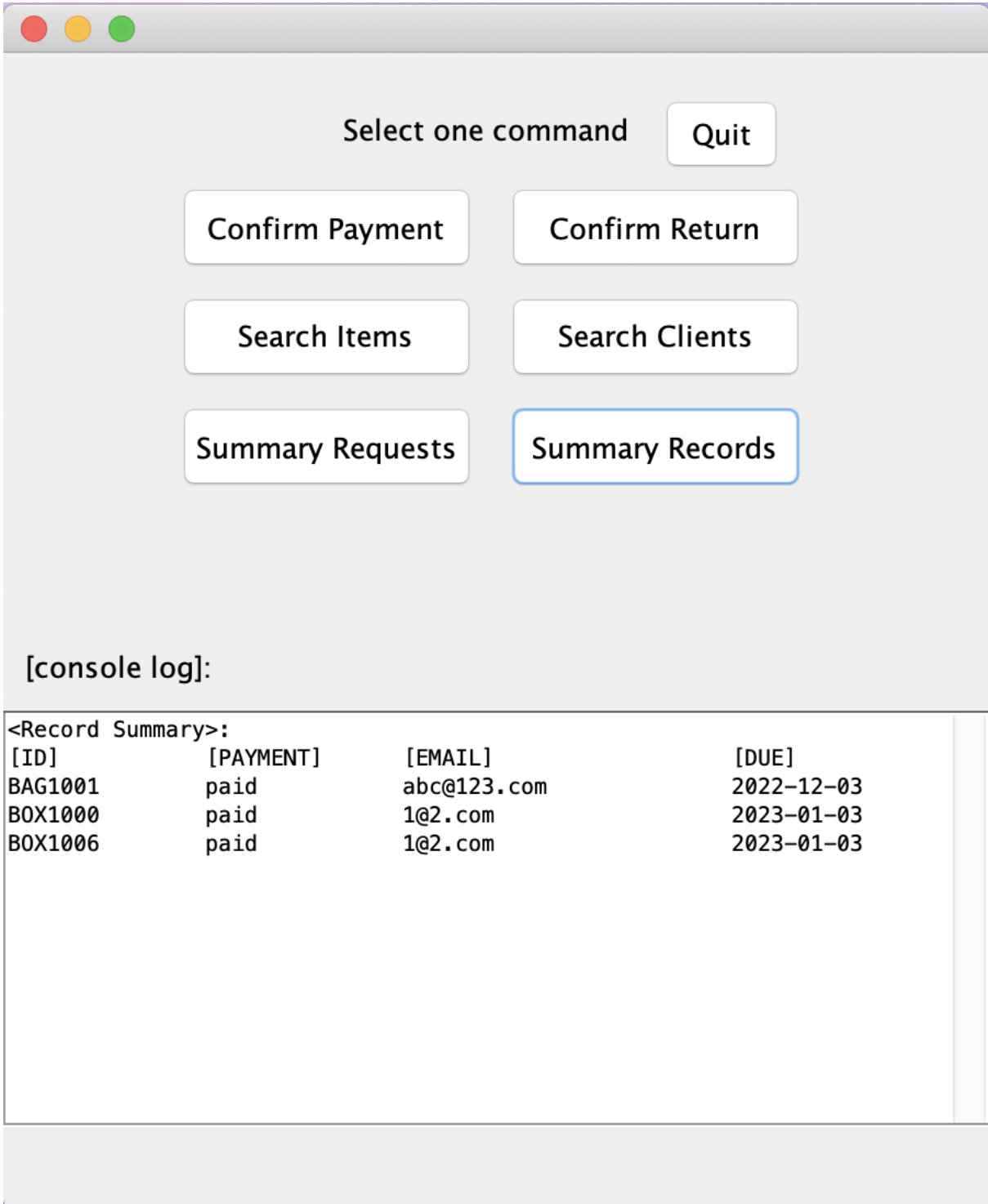
OS: MacOS Catalina 10.15.7

IDE: Eclipse 2022-09

Version: 3.0

OpenJDK 17

Screenshots:



Bug-00011

**Title:** The system collapses when opening the second program

**Status:** Resolved

**Alias:** Failure in multi-thread environment

**Product:** Summer storage management system

**Component:** Client/-end

**Version:** 3.0

**Platform:** PC Mac OS

**Importance:** High Critical

**Assignee:** Xingchen SHA

**Reported:** 2022-11-21 13:21:11 HKT by Vincent Chaw

**Vincent Chaw 2022-11-21 13:21:11 HKT**

Describe the bug:

When I try to use the system with another account at the same time, I find my first program suddenly collapse although all the previous actions are recorded.

Steps to reproduce the bug:

1. pull down the latest version of the program from github.
2. go the xBox/src/app folder, switch to the "Main.java" file.
3. run the "Main.java" file.
4. register and login client account, request rentables on the client-end interface.
5. Without finishing the first program, run the "Main.java" file again.
6. the first program collapse and find that the previous actions are recorded in the second program.

Expected result:

Multiple programs should be able to run at the same time.

Actual result:

Each user can only handle one program at a time.

Environment:

OS: MacOS Catalina 10.15.7

IDE: IntelliJ IDEA 2022.1

Version: 3.0

OpenJDK 17

Xingchen SHA 2022-11-2 9:31:1 HKT
-----------------------------------

Hi Vincent, thank you for telling us this issue. We have solved this bug in the latest version. You can update your program by downloading the latest version from git hub. Now users should be able to run parallel programs at the same time.

Vincent Chaw 2022-11-03 12:38:55 HKT

Thank you for your reply. I updated my system and find the problem is resolved.