

CSCI3170 2022 Spring Project Demonstration

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Video Submission Deadline: 23:59 18th April 2022

Please upload **demo_data.zip** to the server, which contain the video as well as your code.

Then start recording the following steps into a video:

1. Compile and run your Java program
2. Run the following test cases:

Test on Administrator Functions

After finished each test case, you shall stay in the administrator menu.

Test case 1: Create All Tables

Menu: <main menu> → 1 → 1

Test case 2: Delete All Tables

Menu: <admin menu> → 2

Test case 3: Load Demo Data

Menu: <admin menu> → 1 (Create Tables)

Menu: <admin menu> → 3 (Load Data into Tables)

Type in the Source Data Folder Path: demo_data

* The above step can be ignored if you fix the data file path.

Test case 4: Show the Number of Records in Each Table

Menu: <admin menu> → 4

Then type 5 to return to the main menu.

Test on User Functions

After finished each test case, you shall stay in the library user menu.

Test case 1: Test Search for Cars – Call Number

Menu: <main menu> → 2 → 1 → 1

Type in the Search Keyword: Car00003

Test case 2: Test Search for Cars – Call Number

Menu: <main menu> → 2 → 1 → 1

Type in the Search Keyword: Car00012

Test case 3: Test Search for Cars – Name

Menu: <user menu> → 1 → 2

Type in the Search Keyword: car1

Test case 4: Test Search for Cars – Company

Menu: <user menu> → 1 → 3

Type in the Search Keyword: company2

Test case 5: Show Renting Records of a User

Menu: <user menu> → 2

Enter The User ID: User00000000

Then type 3 to return to the main menu.

Test on Manager Functions

After finished each test case, you shall stay in the manager menu.

Test case 1: Test Error Handling of Car Borrowing

Menu: <main menu> → 3 → 1

Enter The User ID: User00000000

Enter The Call Number: Car00001

Enter The Copy Number: 1

Test case 2: Test Error Handling of Car Borrowing

Menu: <main menu> → 3 → 1

Enter The User ID: User00000001

Enter The Call Number: Car00000

Enter The Copy Number: 1

Test case 3: Test Car Borrowing

Menu: <manager menu> → 1

Enter The User ID: User00000001

Enter The Call Number: Car00001

Enter The Copy Number: 1

Menu: <manager menu> → 4 (Back to main menu)

Menu: <main menu> → 2 → 2 (Go to user menu and show load record of the user)

Enter The User ID: User00000001 (To make sure the car is successfully borrowed)

Menu: <user menu> → 3 → 3 (Back to manager menu)

Test case 4: Test Car Returning

Menu: <manager menu> → 2

Enter The User ID: User00000001

Enter The Call Number: Car00001

Enter The Copy Number: 1

Menu: <manager menu> → 4 (Back to main menu)

Menu: <main menu> → 2 → 1 → 1 (Go to user menu and search the car by call number)

Type in the Search Keyword: Car00001 (To check the available copies)

Menu: <user menu> → 3 → 3 (Back to manager menu)

Test case 4: Test Un-returned Cars

Menu: <manager menu> → 3

Type in the starting date [dd/mm/yyyy]: 01/01/2022

Type in the ending date [dd/mm/yyyy]: 06/01/2022

Then type 4 to return to the main menu and type 4 to exit the program normally.

Above is all about the demonstration. Please submit the video to Blackboard. Each group only needs to submit one video.

Notice:

1. The output is **not** required to be exactly the same as in the project specification, just need to be easy-understanding.
2. It is better for you to make some explanation about the output message when recording the demo video to help us better understand the output. For example, when your system output some error message, you can explain the cause of the error.