Author, Date

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Brief summary of the software

It is a simple music competitions program for competitor registering, competition entering, and printing result of competition etc. Each layer of menu will be printed on the console. If there were any invalid numbers or operations the program would show the notice and ask user enter valid number or command again.

How to build the software

1) Decompress the "Han's_CS549_Assignment_3_part_2.zip" file to any directory you want.

2) Open terminal, use commands to go to the directory which you decompressed the file just. For example "D:\ Han's_CS549_Assignment_3_part_2>". Making sure that the directory you are in is the one where the "Start.java" locates. Please don't change the location of any file. Otherwise the program may not work.

3) Type command "javac *.java" to compile the all java files.

4) Type command "java –classpath ".;sqlite-jdbc-3.8.7.jar" Start" to run the program.

How to use the software

Following the hints of each menu to operate this program. By inputting valid command in each step, it will be easy to use it.

How you tested your software

1) Trying to input invalid command in each level of menu.

2) Trying to input student's name existed while adding new student to competitor table.

3) Trying to input blank as student's name while adding new student to competitor table.

4) Trying to input nonexistent student's name while deleting a student.

5) Trying to adding nonexistent student's name to competition.

6) So on validation checkings.

Examples

1)
D:\study\2014fall\CS549Adv_in_Soft_Eng\homework\assignment 3\Han's_CS549_Assignment_3_part_2>javac *.java

D:\study\2014fall\CS549Adv_in_Soft_Eng\homework\assignment 3\Han's_CS549_Assignment_3_part_2>java -classpath ".;sqlite-jdbc-3.8.7.jar" Start

Welcom to The Wisconsin Music Association for Youngsters (WMAY)!

------------------Main Menu------------------

Please choose one option:

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1. List all competitors.

2. List all competitions.

3. Add new competitors.

4. Delete a competitors.

5. Add a competitor to a competiton.

6. Delete a competitor from a competiton.

7. Generate a competiton with results in different levels.

0. Exit.

Tips: (Entering "bm" will go back to Main Menu) whenever you want

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1

Competitors:

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name   school

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alvin   school1

bob   school2

mike   school1

john   school2

jack   school2

jason   school3

adam   school3

han   school4

josh   school3

lion   school4

Known bugs and problem areas

There is still some room to improve this simple program, but in particular scope of satisfying requirement it works fine and reliably. According to the driver is an open source project, it might not be well tested. Sometimes it will trigger bugs to destroy the database file. Therefore I saved a folder named "DatabaseBack" to store the database file back-up. If the database file fails, you can simply replace the old one by the back-up one. Moreover, I didn't test the program under jdk 1.8 so it's not guaranteed under jdk 1.8.