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* CS6360, Assignment 3

* Section 002

* Due Date: 11:59 pm, 12/08/13

*/

I. Purpose

Create a database application in java that interfaces with a Library database with the following requirements.

       1) GUI

       2) Determining Book Availability

       3) Checking Out Books

       4) Checking Out Books

       5) Create new borrowers

II. File list

1) Main.java

//Set up the MySQL connection and main frame.

2) FirstTabPanel.java

//Determining Book Availability

//Support substring matching

3) SecondTabPanel.java

//Checking Out Books

//Implementation with extra feature. If the number of BOOK_LOANS for a given book at a branch already equals the No_of_copies and my application will prompt a message suggesting another branch for you to check out based on the number of available books in each branch of the system.

4) ThirdTabPanel.java

//Checking Out Books
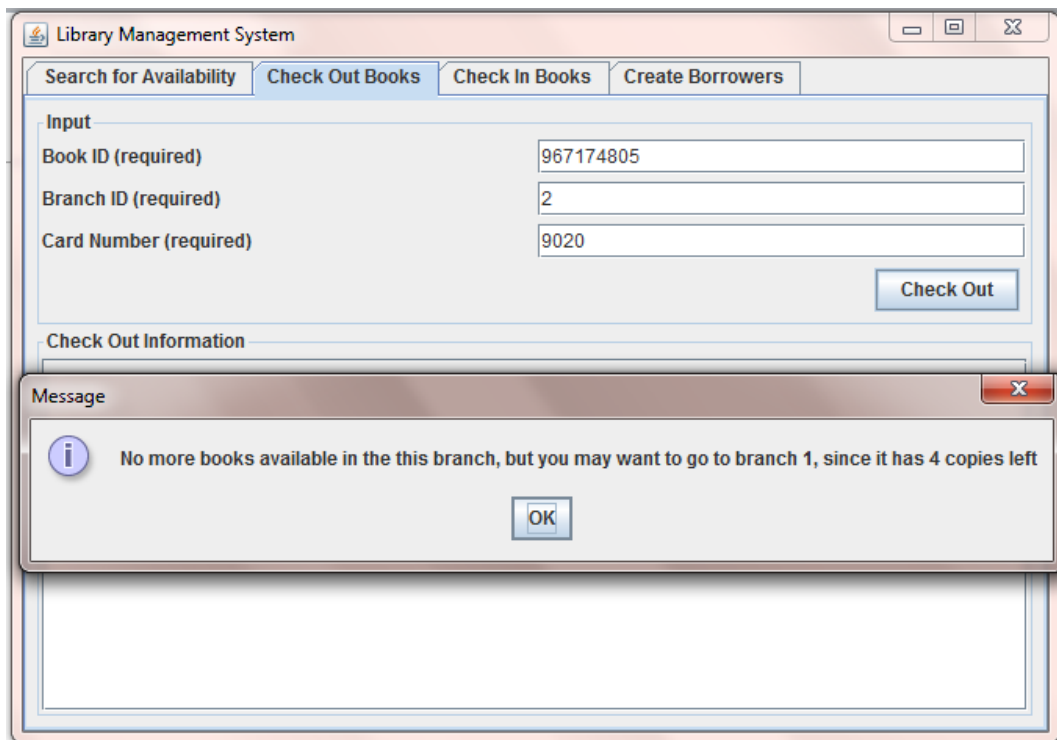
5) FourthTabPanel.java

//Create New Borrowers

III. Compiling and Executing on command line

On Eclipse,

First Create a new package named library, import all the java source files. Make sure you have changed the user name and password to MySQL in Main.java to your own. Then click run.

IV. Snapshot of part results

a. Additional feature with powerful advising capacity:

b. If a BORROWER already has 3 BOOK_LOANS, then the checkout will fail and prompt useful message.

c. If a new borrower is attempted withe same fname, lname, and address, then my system will reject.