Library proeject

1. This is the library project, it supports the book search and availability. In the book search area, you can input the book\_id and title , it will show the book\_id, title, authors, branch\_id , number of copies and number of available copies at each branch.

If you use the author name search , u will also show that information above. And If you do now remember all the full name, you can also find input the information as part of name to search.

In the checking out books area, you can input the book\_id , branch\_ id , and card\_no to borrow the book, the date\_ out should be todays’s date, the due\_date should be 14 days after the date\_out. Each borrower is permitted a maximum of 3 book\_loan. If a borrower has already 3 book\_loan, the checkout will be faild

In checking books , you are abe to check in a book, once, located provide a way of selecting one of potentially multiple results and a button (or menu item) to check in.

* In borrower management , Borrowers are allowed to possess exactly one library card. If a new borrower is attempted withe same fname, lname, and address, then your system should *reject* and return a useful error message.

1. design:

* 1. If a BORROWER already has 3 BOOK\_LOANS, then the checkout (i.e. create new BOOK\_LOANS tuple) should fail and return a useful error message.
* 2. Borrowers are allowed to possess exactly one library card. If a new borrower is attempted withe same fname, lname, and address, then your system should reject and return a useful error message.

c) software version:

mysql : workbench

java : netbean

server: glassfish 4.1