Library program:

1. Book inventory. Function: count the number of books available.

2. entrance system. Scan student number and see if the student is already in the library

3. borrowing system--how long a book has been borrowed and by whom

4. Count the number of books each student read and output a ranking

5. user interface

Entrance system - Kim

When a student enters a library, his/her ID gets checked up in the database, if there is no such ID, his/her ID gets recorded. If there is already a such ID in the database, the student is not allowed to enter. In this way, a student ID can only make one student in.

Counting and ranking system：

It will access the database of students and acquire data about the number of books each student read cumulatively. The program will rank the students in a descending order and output the top3 students.

Book inventory-Alice

It will access the database and when a book is borrowed by user, a sign will be made on the book and the total number of books left not borrowed will be calculated.

User interface-Jason

It will provide a cool GUI or console for the program, makes stuff look cool. Also, login confirmation.

Criteria for success: program stimulates most usage of a library management software, block malicious tampers, valid login system, do not allow students to use other cards to borrow a book, remind student to return book.