

# Library Management System

Anant Tater, Baraniraj G, Shatakshi Shree | Prof. Sivabalakrishnan M | School of Computer Science and Engineering

## Motivation/Introduction

The library management deals in management of records. The records include books which are required by different students accordingly. Maintaining these records manually becomes difficult thus we are proving such system a computerized backend.

## SCOPE of the Project

This application can be used by any Library to automate the process of manually maintaining the records related to the subject of purchasing of books, selecting and ordering items for the collection and maintaining the accounts, Creating records for material held in the collection and providing access to the catalogue-Via an Online Public Access Catalogue (OPAC).

## Methodology

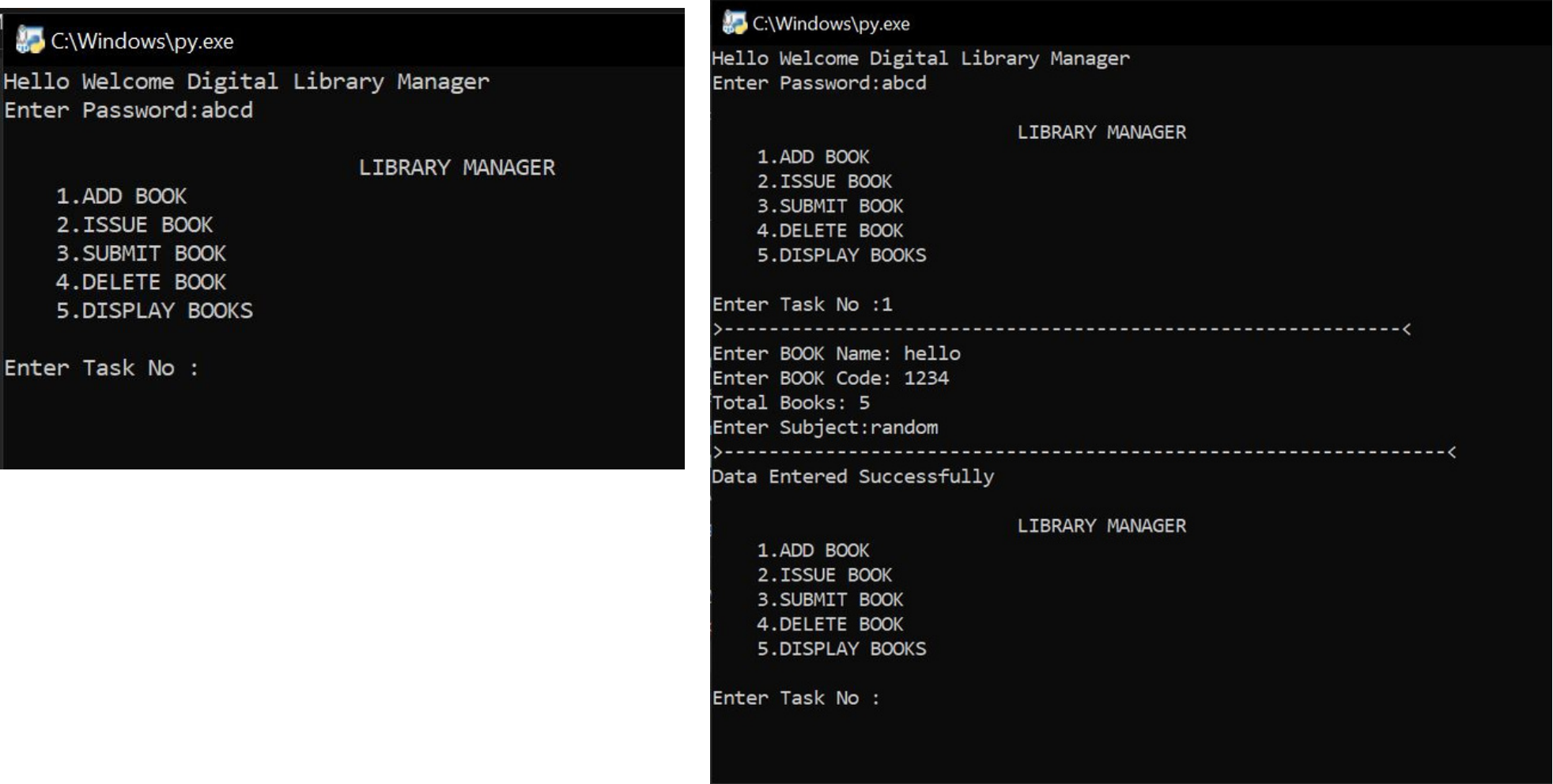
To develop the Library Management System Software, There we are decided the three Different layers-Presentation Layer, Logical Layer and Database Layer. In Presentation Layer to design the interface of the software. In Logical Layer to decide and write the program for to performing the library task execution under the decide module. In Database layer to analysis and design the database of the Module.

We have three main actors in our system:

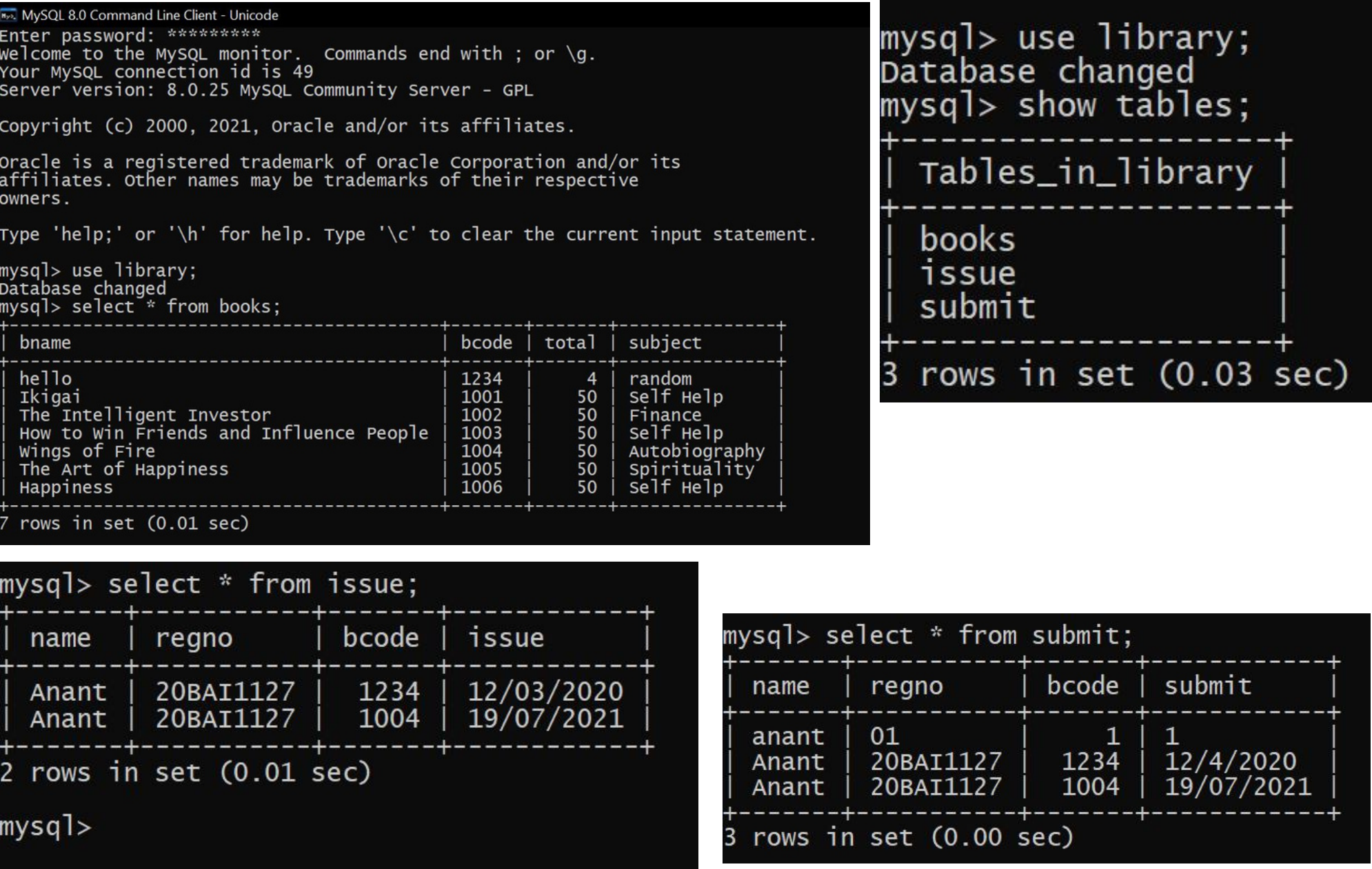
- Add/Remove/Edit book: To add, remove or modify a book or book item.
- Reserve book: To reserve a book which is not currently available.
- Return a book: To return a book to the library which was issued to a member.

## Result

### User Interface



### Backend



## Conclusion

Library Management Program has been created keeping in mind the needs of Small and Medium scale libraries. It's efficient software that includes all the basic functionalities like making data entries for new books, Issuing Books, Deleting Books.

## Contact Details

anant.tater2020@vitstudent.ac.in  
baraniraj.g2020@vitstudent.ac.in  
shatakshi.shree2020@vitstudent.ac.in

## Acknowledgement

We would like to express our special thanks of gratitude to our DBMS Professor Sivabalakrishnan M for there able guidance in completing our project