

Third Assignment Report
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Introduction

In this project I designed a library management system with 5 classes and their methods.

Design and Implementation

In this project we had 5 classes.

In Book class I used these methods:

- getISBN
- getAuthor
- getName
- getyearofPublish
- setISBN
- setAuthor
- setName
- setyearofPublish
- updateISBN
- updateAuthor
- updateName
- updateyearofPublish

Librarian class

- getusername
- getpassword
- setusername
- setpassword

Library class

- addBook
- removeBook
- updateBook
- doesBookexist
- searchBook
- increaseBook
- decreaseBook

- adduser
- doesuserexist
- removeuser
- searchuser
- addLibrarian
- removeLibrarian
- searchLibrarian
- updateLibrarian
- doesLibrarianexist

Main class

I used the methods of other classes.

User class

- getusername
- getpassword
- rentbook
- returnbook

Testing and Evaluation

The Main class helps us to understand what we did and gather everything that we wrote before together.

Conclusion

Many other features could be added to this program. We could define many other classes and use many other methods. But as a basic project it was useful.