" Library management system"

Project proposal

Introduction:

The library management system is Develop in Code Block Which perform the basic operation in the library like password, Registration, Issue book, return book, Order book, add book, Delete book, Update book etc.

Objective

- Password
- Librarian rights
- Issue book
- Return book
- Order book
- Registration
- Exit

1) Activity involved with password

Please enter the password if password is match message display **"Welcome to the library".** If the password is not match message display **"password is invalid".**

2) Activity involved with librarian

- ➢ Add Book
- ➢ Delete Book
- ➢ Update Book
- ➢ Total number of Book
- ➢ Total number of Student
- ➢ Total number of Teacher

Detail:

The librarian can Add, Delete and Update the book. He tells us how many book is in library and how many teacher and Student are register in library. If the librarian adds the book. He enters the book name, book Id and author name. After enter the information a message displays on console *"your Registration is approved".* If the book name, book Id and author name already present then a message display *"you Already register"*.

If librarian wants to Delete the book. He enters the book name and author of the Book. If the book is present in library, he deletes the book otherwise display a message *"This book is not present in library".*

If the librarian Update the book. He enters the old name, old id, old author name and new name, new id, new author name of the Book. If the book is present in library, he updates the book otherwise display a message *"This book is not present in library so you will not update the book".*

If the librarian wants to check how many book, Student and teacher are register in library then he displays message on console

"Total number of book= … "

"Total number of Student= … "

"Total number of Teacher=…"

3)Activity involved with issue book:

If you want to issue the book the librarian asks you the student name, student id, book name, book author name then he check if you register in the library or not if you are not register in the library message display "*You are not register in the library".* If you are register, then he checks the book is present in the library or not. If the book is present or not if the book is present, then he checks the issue book. If the book is not issue he issue the book otherwise message display *"Book is already issue".*

4)Activity involved with return book:

If you return the book the librarian asks you the book name, book author name, issue date, issue month then he check the record is this book is the library book if this is not library book print "*This is not library book".* If this is library book he   match the issue date and issue month with current date and month if the book is not return on time he adds the fine of *"five rupees"* per day and message display *"you are not return on time, please pay the fine".* If the book is return on time message display "*you return the book".*

5)Activity involved with order book:

If you order the book the librarian asks you the book name and the author name, then he check the record this book is present in library or not if this book is present in library display *"This book is already present in library so you will not order the book".* If this book is not present in library display *"Now your book has order".*

5)Activity involved with Registration:

If you want to register, he asks you are teacher or student

If are Student, he asks you the Name and ID then he check the record if the student is register in library message display on console *"You are already register"* otherwise display on console *"Your registration is approved"*.

If you are teacher, he asks you the name and ID the check the record if the teacher is register in library print *"Already register"* otherwise print *"Your registration is approved"*.

6)Exit:

If you want to exit in the library, then show a message on console

"Thankful for coming in the library"