Library Management System

# Problem Statement

We have to build a digital LMS Where student can search, sort, check availability, check current ownership and borrow book from library, check fines and time period of allotment.

Student can borrow book after handshake b/w digital LMS and Student via email verification and all others details related to book will also be communicated over there only.

When returning the borrowed book student have to return to the keeper and keeper will evaluate condition of returned book and update condition of book in system accordingly, and if need necessary can cut amount charges also against student account.

# Specifications

* Digital LMS is a Web application which is hosted on **Apache tomcat 7.079**
* Database Used to keep Student/Keeper and books data is **MySQL 8.0 CE**
* Programming language used to develop S/W is **Java, JSP, Html and CSS.**
* Architecture Used in development of this application is **MVC (Model View Controller )**

# Solution

Student and keeper have to login into system to perform there functions.

***Keeper’s Functions :***

1. addBooks to library
2. addRacks to library
3. addRooms to library
4. openStudents Account
5. receiveBooks from student
6. updateBooks Condition
7. requestToReturn to student
8. searchSortBooks for book methods
9. bookStatus on any book

***Student’s Functions :***

1. searchsortBook
2. borrowBook
3. Viewbook status
4. WatchAccount Details
5. EditAccount Details