



# Library Management System

Course Code: CSE-334

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## FEATURES

### ☐ **USER / Admin LOGIN**

#### Description of feature

This feature is used by the user and admin to login into the system. They are required to enter user id and password before they are allowed to enter the system. The user id and password will be verified and if invalid id is there user is allowed to not enter the system.

#### Functional requirements -

user id is provided when they register -The system must only allow users with valid id and password to enter the system -The system performs authorization process which decides what user level can access to. -The user must be able to logout after they finish using the system.

### ☐ **REGISTER NEW USER**

#### Description of feature

This feature can be performed by all users to register new user to create account.

#### Functional requirements -

System must be able to verify information -System must be able to delete information if information is wrong

### ☐ **REGISTER NEW BOOK**

#### Description of feature

This feature allows to add new books to the library

#### Functional requirements -

Admin can update,delete,insert a new book with a unique book id. System must be able to not allow two books having the same book id.

### ☐ **SEARCH BOOK**

#### DESCRIPTION OF FEATURE

This feature is found in the book maintenance part . We can search books based on book id , book name , publication or by author name.

#### Functional requirements -

System must be able to search the database based on select search type - System must be able to filter book based on keyword entered

### ☐ **BORROW BOOKS**

#### Description of feature

This feature allows to borrow books (if available)

#### Functional requirements -

Users can request for borrowing books. Admin can accept or deny the request. One book can be borrowed by one user at a time.

## Technologies

- **Frontend** : HTML, CSS, BOOTSTRAP, JAVA-SCRIPT
- **Backend** : NODE JS, EXPRESS JS
- **Database** : Relational Database [MYSQL]