

The front end environment will be in HTML/CSS/JS.

Back end language support PHP v7.0.

4 System Features:

Registration:

This module takes the user details from the user and store it to database, duplicate entries are notified.

Input: User details.

Output: Registered, generate user ID, password.

Login / Logout:

This module take input as user Id and password for and checks with the database for logging into the system.

Input: User ID, password.

Output: Logged in (session started).

Add/Delete a book:

Input: Book details, add/delete request.

Output: Book added or deleted.

Issue/ Return book:

Input: Book details, student details, issue/return request.

Output: For issuing book, add book to student's ID, or return appropriate message if issue limit is

reached. For returning a book, corresponding book is removed from student's ID and also notify fines, if any.

Display Module:

Input: View library, rack, book or store-info.

Output: For library, all racks are displayed.

For rack, all books in that rack are displayed.

For book, index page (pdf) is displayed of the respective book.

And for store-info, all records of store are displayed.

Search Book:

Input: Search query related to books or store.

Output: Result of the respective query.

E-Library Corner:

Input: Soft copy of e-book or notes, ppts, videos, request for issue of e-book (private access).

Output: Notify resources stored.

For issue request provide access to e-resources (until max. limit is reached).

Notification and Bill Generation:

Input: Student details, store details.

Output: For library section, notify students of active fine(s), also generate receipt of the details.

For store section, generate monthly statement (in pdf format).

Add/Delete/Update/Modify Records:

Input: Commodity details, query (add/delete/update/modify).

Output: Notify result.

E-Bill Corner:

Input: Soft copy (scan) of bills.

Output: Store and notify results.

4.2 Non Functional Requirements**1. Security:-**

The system has the facility to provide security of data since login-password is maintained. It also ensures the integrity of system from accidental or malicious damage.

2. Usability:-

The system to be developed provides usability of certain data so that an effective memory management is achieved.

3. Reliability:-

The reliability is maintained in the to be developed software, so that the data as well as all other included operation provide the correct calculations in a reliable way.