

Background

Libraries are the main centers for accessing books, learning resources, and study materials. Unfortunately, most traditional libraries are still manually managing books, their members, and the general day-to-day operations. Issues regarding book issuing, book return, tracking down the status of the availability of the book, updating members' information, and keeping records tend to be very time-consuming, error-prone, and difficult to track.

The uploaded user story board depicts some of the key activities done by Admins, Librarians, and Members, which include adding books, finding books, updating records, book issue-return, and user management. When all these tasks are carried out manually, libraries face problems relating to mismanagement of books, lost records, tracking issued books, and much more, which delay the serving of readers.

Such are the challenges that call for the implementation of an automated and simplified mode of operation, which is why the Library Management System has been developed. The system will provide a secure user login along with book management, member management, and workflows related to issuing and returning books, including user profiles. This library management system will ensure accurate book details, fast resource location by users, and effective task management by library staff. This project aims to create a centralized digital platform that helps enhance accuracy, accessibility, and productivity within the library environment.

Target Group of Users :

1. Admin

- Responsible for the whole library system.
- Manages users: Librarians and Members.
- Adds, updates, deletes, and searches books.
Performs high-level tasks like maintaining system access and monitoring library activities.

- Ensures that data within the system is valid and accurate.

2. Librarian

- Responsible for conducting daily operations of the library.
- Adds, updates, and deletes book records.
- Issues and returns books.
- Manages library members.
- Updates the records of the books issued and maintains correct borrowing records.
- It helps readers in locating and accessing books.

3. Member / Reader

- Students or general library users wishing to borrow books.
- Can search for available books by title, author, or category. - Can place requests to issue or return books. - Users can view their profile and update their password. - Uses the system to access library resources with ease, instead of waiting for manual help.