Library Management System

Description –

The objective of the Library Management System (LMS) is to provide an effective and organized system for managing library resources, like physical resources including books, tablets, DVD’s, stationery, presentation rooms and other materials as well as digital resources including e-books, audiobooks, e-magazines. The system aims to manage these assets, automate various library operations, and improve user experience for both library staff and patrons.

Potential Users/Customers:

Librarians: The main individuals in charge of maintaining the library's resources, taking care of administrative duties, and supervising daily activities are librarians.

Library Staff: The system may also be used by other library employees, such as clerks and assistants, to carry out duties that have been assigned to them.

Patrons/Students: Patrons, including students, faculty, and researchers, are the end-users who utilize the library services to borrow books, search for materials, and access information resources.

List of features

1. Resource Management –

* Add, edit, and delete books, journals, and other materials to the library catalog.
* Organize materials into categories and subcategories & provide floor, row, section, and shelf information for ease of navigation.
* Update item details such as title, author, publication date, ISBN/ISSN, and availability status, rental status, and access links.

1. User Management:
   * Register and maintain a database of library users/patrons/staff members.
   * Maintain all user accounts, library cards, contact information, borrowing history, Penalty status.
   * Provide user authentication and authorization mechanisms to control access to library services.
2. Search and Discovery:
   * To support search options, including keyword search, author/title search, and filters by format, genre, or subject.
3. Staff and Administrative management:
   * To set up admin/staff settings, including loan policies, penalty rates, and borrowing limits.
   * To browse through student/borrower’s history with library resources.