

Library Management System

Problem Statement: The Library Management System is a software solution designed to help librarians manage their books, members and staff. The system aims to automate the library management process by providing a user-friendly interface for librarians and members to access and interact with the library's resources. The SRS document outlines the functional and non-functional requirements for the system.

- System Requirements:**
- (i) **Book Management:** The system should allow librarians to manage books, including adding, deleting and updating book details such as title, author, publisher, publication year, ISBN, category, and description. The system should also allow librarians to track the status of books, including the availability and the borrowing history.
 - (ii) **Member Management:** The system should allow librarians to manage members' information, including adding, deleting, and updating member details such as name, address, phone number, and email. The system should also allow librarians to track members' borrowing history and fines, if any.
 - (iii) **Staff Management:** The system should allow the library administrator to manage staff information, including adding, deleting, and updating staff details such as name, position and contact details.

Non-functional Requirements:

- (i) **Performance:** The system should respond to user requests promptly, even during peak hours.

- (ii) **Security:** The system should ensure that the data is secure and only authorized users can access it.

(iii) Scalability: The system should be scalable to accommodate a large number of books, members & staff.

(iv) Accessibility: The system should be accessible to users with disabilities including visually impaired users.

Constraints: (i) Web Development Technologies: The system must be developed using web development technologies such as HTML, CSS, JavaScript & PHP.

(ii) Database: The system must use a relational database management system such as MySQL.