1/10/24   LAB-2

SRS document

3) Library Management

1) Introduction

Problem Statement

→ To manage a library's inventory, member registration, borrowing and return processes.

Scope

→ LMS will allow admins to catalog books, manage member information and track borrowing/return activity.

2) Functional Requirements

→ i) Catalog Management: Librarians can add, delete, or update books.

(ii) Member Management: System allows registration and maintains member details

(iii) Borrow/Return: members can borrow and return books and the system checks due dates.

(iv) Search: Users can search for books by title, author or category

(v) Fines: System calculates fines for overdue books

3) Non-Functional Requirement

(i) Performance : It should handle multiple users accessing the catalog simultaneously.

(ii) Scalability : The System must be able to handle increasing numbers of books and users without performance degradation. It should support atleast 50 to concurrent users.

(iii) Response time : The System should respond to any query within few seconds.

4) Domain Requirements
   (i) User Interface
   (ii) Payment gateway
   (iii) Customer feedback & review
   (iv) Policies & procedures

5) Appendices
6) Index

7 Design Constraints
   7.1 Accessibility : Should be accessible for users even for user with disabilities
   7.2 System should be open source

8 Preliminary Schedule and Budget
   8.1 Completed within 1 year
   8.2 Budget : Under RS 10,00,000 in LOC of FP