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Generate SRS

- Library Management
- Stock Maintenance
- Passport automation

Library Management :-

i) Introduction

1.1 Problem statement - Need for an efficient organized, Error prone and less time consuming library management system application.

1.2 Scope - This system will manage and handle library resources

ii) Functional Requirements

1.1 User Registration and Authentication

- Users can register and log in to the system

1.2 Book Issue and return

- Users can issue books. The system tracks issue books. Users can return the books and the system updates the availability.

1.3 Inventory management

- Tracks the number of copies of each book allows for auditing of lost or damaged books.

1.4 Multi-user capability

- The system allows multiple users to operate concurrently

1.5 Role management

- Different Roles have different access + permission

1.6 Book search and catalog management

The user can search for books by title, author, ISBN or category.

1.7 Penalty calculation

Fines should be calculated automatically for overdue books.

iii) Non-Functional Requirements

3.1 Performance -

- The system should handle multiple transactions simultaneously without performance degradation.

3.2 Scalability Reliability -

- The system should provide accurate and consistent data on book availability and user transaction.

3.3 Scalability -

- The system should be scalable to accommodate a growing number of users, books.
- Availability -

The system should have user friendly interface for both technical + non tech users.

3.5 Security

- The system must secure the user data including personal information and transaction data.

iv) Domain Requirements

1. Library Rules + policies

2. User Authentication

3. Payment gateway

4. User Interface

v) Appendix

vi) Index