

25/10/24

Generate SRS

- Library Management
- Stock Maintenance
- Passport automation

(i)

1 Introduction

1.1 Purpose

1.1 Problem Statement - need for tracking inventory, managing user accounts and processing transactions

1.2 Scope - This system will manage and handle library resources

2 Functional Requirements

2.1 User registration and Authentication -

Users can register and log in to the system

2.2 Book issue and return -

Users can issue the books, the system tracks the issued book

2.3 Catalog Management -

Add, update, delete books and manage categories

2.4 Inventory Management -

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

2.5 User Account Management -
Profile updates, password resets.

2.6 Notifications -
Reminders for due dates, new arrivals etc.

3 Non-Functional Requirements -

3.1 Performance - Response time for queries.

3.2 Usability - User interface design principles, accessibility features.

3.3 Reliability - System uptime and data backup measures.

3.4 Security - User data protection, authentication methods.

3.5 Scalability - The system should be scalable to accommodate a growing number of users, hours.

3.6 Usability - The system should have user friendly interface for both technical & non-technical users.

4) Domain Requirements -

4.1 Library rules & policies

4.2 User authentication

4.3 Payment gateway

4.4 User Interface

5) Appendices

6) Index