Application: ~~Credit~~ Library Management System

1. Introduction

1.1 Purpose
The purpose of this document is to specify the requirements for the library Management System (LMS) which automate the process of managing books, members, transactions

1.2 Document Convention
The document follows IEEE standards for software Requirements specification

1.3 Intended Audience
This document is for Developers, testers, librarians & Project stakeholders

1.4 Project Scope
The LMS provide functionalities for book cataloging, member registration, issuing, returning & fine calculation It improves efficiency & reduces manual error

1.5 References
IEEE SRS format, standard database design practices & Sample library workflows

2 Overall Description

2.1 Product perspective
The System replaces manual registers with a Centralized Computerized database

2.2 product function
It manages book records, User membership, transaction & report generation

2.3 User classes
Librarians, students, and administrations

2.4 Operating Environment
Web-based application running on Windows/Linux servers with a SQL Database

2.5 Constraints
Access restricted by roles, transaction must be logged

2.6 Documentation
User manual and admin guides will be provided

2.7 Assumptions and Dependencies
Stable internet connection & functioning database server are assumed

3. Specific Requirements

3.1 function Requirements
- Add, update & delete book records
- Register & manage members
- Issue and return books with due-date tracking
- Calculate and manage fines

3.2 External Interface Requirements
- Web inteface for user and admin
- Database Connectivity

3.3 System Features
- Search books by title, author or category
- Generate reports on usage & fines

3.4 Non-functional Requirements
- Secure Authentication
- Response time < 2 seconds
- Scalable to handle 10,000 +records

4 Appendices

4.1 Glossary
LMS - library Management System, DB - Database

4.2 future Enhancement
Integration with e-books & digital library service

Application - Stock Maintenance System

1. Introduction

1.1 Purpose
The stock Maintaince System (SMS) maintains inventory details and streamlines stock tracking

1.2 Document Convention
This document adheres to standard SRS structure

1.3 Intended Audience
The System is for warehouse managers, sales, staff and developers

1.4 Project Scope
The system reduces manual stock handling, prevents shortage and Ensures timely updates of inventory

1.5 References
Inventory management best practices, IEEE SRS guidelin

2. Overall Description

2.1 product perespective
The System provides real-time stock Management integrated with a central database

2.2 product function
Stock Eontry, Update, reorder alerts & report Generation

2.3 User classes
Admin, staff & auditors

2.4 Operating Environment
Desktop/web application with database backend

2.5 Constraints
System must handle Concurrent access

2.6 Documentation
User manual and installation guide will be delivered

2.7 Assumption and Dependencies
System assume proper barcode scanning hardware and stable power supply.

3. Specific Requirements

3.1 functional Requirements

- Add and update stock items
- Track stock levels with alerts
- Generate purchase orders when below threshold
- Produce Sales & inventory reports

3.2 External Interface Requirements

- Barcode Scanner support
- Database and reporting modules

3.3 System Features

- Real-time Stock trading
- low Stock notatifications

3.4 Non functional Requirements

- 24/7 availability
- Secure data storage
- Accuracy tolerance <1%.

4. Appendices

4.1 Glossary

SMS - Stock Maintaince System, SKU - Stock keeping Unit

4.2 future Enhancement

Mobile app integration + AI - based demand forecasting

Application : Passport Automation System

1. Introduction

1.1 Purpose
This document specifies requirements for an automated passport Automation System (PAS) that handles passport application & Verification online

1.2 Document Convection
IEEE style has been followed for clarity and Consistency

1.3 Intended Audience
Government officials, applicants & development teams

1.4 Project scope
The System replaces manual passport processing Ensuring faster application handling & tracking

1.5 References
Government Passport issurance guidelines IEE SRS Standards

2. Overall Description

2.1 Product Perpective
The System provides own online platform connected to the government database

2.2 Product function
Application Submission Verification, payment, & appointment Scheduling

2.3 User classes
Applicants, Verification officer. & administrator

2.4 Operating Environment
web based system with secure authentication, Connected to national Databases

2.5 Constraints
Must comply with government regulations and data security policy

2.6 Documentation
User guidelines and admin manuals will be supplied

2.7 Assumptions and Dependencies
Assume connectivity with police & national ID Database

3. Specific Requirements

3.1 Functional Requirements
* Submit online application
* Upload required documents
* Schedule appointments
* Verify applicant details with police & government records
* process online payments

3.2 External Interface payment
- web portal for users
- Integration with payment gateways & government databases

3.3 System Features
- Real-time application tracking
- Automated Sms/email notification

3.4 Non-functional Requirement
- High security for personal data
- 99.9% uptime
- Fast response within 3 sec

4. Appendices

4.1 Glossary
- PAS - passport Automation System
  ID - Identification

4.2 Future Enhancement
- Integration with Biometric Systems & mobile application