

SRS Document for credit card processing system

1. Introduction

1.1 Purpose of the requirement -

To specify the software requirement for credit card processing system.

1.2 Scope of product -

Allows customers to make payments credit card at various merchant locations. The system handles the authorization, capture and payment of transactions.

2. General Description -

The credit Card system is designed to facilitate secure, efficient, and seamless transactions between cardholders, merchants, and financial institutions.

The system allows users to make purchases, manage their credit accounts and various financial operations.

3. FUNCTIONAL requirements -

- Transaction-authorized, validate card no, expiration date, CVV, address ensure enough funds are there for transactions provide real time response to merchant & customer
- fraud detection - cross check transactions for pattern based on user history
- Chargeback handling - automatically reverse payment where disputes are resolved in favour of the customer
- Refund management - automatically enable partial full refunds for unauthorized transaction

4 Interface Requirement -

- Login & Authentication Interface - must support login using username & passwords
- Transaction management
- Payment management
- Card management Interface
- Alerts & Notifications
- Banking integration

5 Performance Requirement -

- System Availability & Uptime - Availability and Downtime Tolerance
- Transaction Processing time - Authorization & Real time

6 Design Constraints

- UI & UX design.
- Interface
- Dashboard
- money balance
- alerts and notification
- user alert
- unauthorized user.

7 Non-Functional Requirements

- Security - The system will use HTTPS for secure communication
- Scalability - The system is designed to accomodate large number of people
- Reliability
- Usability

8 Preliminary Schedule & Budget

- Development Time - Estimated 6 months
- Budget - Budget / cost of the project \$5000

SRS Document for Library Management System

1. INTRODUCTION

1.1 The purpose of the document is to define the specifications & requirements for the development of the Library Management System. It outlines the system's functionality, design & structure for the stakeholders.

1.2 Scope of the document -

This document describes the overall objectives of the LMS, highlighting the values it provides to both the user & the library administrators. It includes an estimate of development & timelines.

1.3 Overview -

The LMS is designed to streamline the library operations, allowing library staff to manage book inventories, track members activities and handle book handling more efficiently. It will also offer features like online catalog borrowing for users and reminders for book due dates.

2. General Description -

The LMS aims to digitize traditional library processes providing benefits such as efficient resource management, quick access to book inventories and ease the record of maintenance.

3. Functional Requirements -

- User Management - The system will allow the registration of new members, updating of profiles & deactivation of inactive accounts.
- Book Management - Administrators will be able to add, remove, or update book records.
- Lending and Return System - The system will

manage borrowing & returning of books, track due dates & send notifications

- Search functionality - Users can search the catalog using keywords

4. Performance Requirement -

- Response Time - The quick save & autosave of the required updates.
- Throughput - The system should respond 500 people simultaneously.
- Error Rate - The error rate for the processing should be less than 2%.

5. Design Constraints -

- Platform - The system will be developed as a web-browser to support modern users.
- Database Constraints - The system will use MySQL for query.
- Security Constraints - ~~The~~ only authorized people can access.

7. Non-functional Requirement -

- Security - The system will use HTTPS for secure communication.
- Scalability - Designed to accommodate a large no of people.
- Reliability & Scalability.

8. Preliminary Schedule & Budget -

- Development Time - 6 months
- Total Budget - cost estimation ₹ 5000

Software Requirement Specification for Stock Maintenance System

1. Introduction

1.1 The purpose of this document is to define the requirements for the development of the Stock Maintenance System. It provides a comprehensive guide for the development team & stakeholders to understand the system's purpose & functionality.

1.2 Scope of this Document

This document covers the objectives of the SMS describing how it will manage stock improve efficiency, and provide value to business.

1.3 Overview

The SMS will automate the process of tracking inventory, managing stock levels and generate reports.

2. General Description

The SMS will help users efficiently manage stock levels, track the sales & generate alerts for low inventory.

3. FUNCTIONAL requirements

- Stock Management - The system will allow registration of new members, registering and updating of users profile & deactivation of accounts.
- User Management - Administrators will be able to add remove or update book records.
- Search functionality - Users can search through using keyword.

4. Performance Requirement -

- Response Time - quick save & retrieval of the required update
- Throughput - The system should respond to a large number of people simultaneously
- Error Rate - The error rate for the processing should be less than 2%.

5. Design Constraints -

- Platform - The system will be developed as a web-browser to support modern users
- Database constraints - The system will use MySQL for query
- Security constraints - Only authorized people can access

7. Non functional Requirement

- Security - The system will use HTTPS for secure communication & interactions
- Scalability - Designed to accommodate to a large no of people
- Reliability & Availability

8. Preliminary Schedule & Budget

- Development time - 6 months
 - Total Budget - \$5000
- } split up

Passport Automation System SRS

1. Introduction

1.1 The purpose of this document is to help requirements for the development of the Passport Automation System.

1.2 Scope of the document

This document covers the requirement of the Passport Automation System describing how it manage passport efficiently, and provide the business.

1.3 Overview

The passport automation will automate process tracking, identification, authentication and generating passport.

2. General Description

The passport automation will help user efficiently manage process of tracking, identification, authentication & generation of passport.

3. Functional Requirements

• Information Management - The system will do the registration of new members, registration and updating new profile & deactivation of an active or expired passport.

• User Management - Administrators will be able to remove or update Address or other personal information.

• Authentication - Verifying the address and the phone number of various candidates.

4. Performance Requirement -

- Response Time - quick save & autogame of the required update
- Throughput - The system should respond to a large number of people simultaneously.
- Error Rate - The error rate for the processing should be less than 2%.

5. Design Constraints -

- Platform - The system will be developed as a web-browser to support modern use
- Database constraints - The system will use MySQL for query
- Security constraints - Only authorized people can access

6. Interface Requirements -

- login & Authentication
- transaction management
- payment management
- alert & notification
- verification

7. Non-functional Requirements

- Security
- Scalability
- Reliability
- Usability

8. Budget

- Development time - 8 months
- Budget = cost of project \$ 5000

Hotel Management

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- Security - The system will use HTTPS for secure communication
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- Usability

8. Preliminary Schedule & Budget

- Development Time - Estimated 6 months
- Budget - Budget / cost of the project - \$5000