

Credit Card Processing System

1. Introduction

1.1 Purpose of the document :

To outline the functional and non-functional requirements for a credit card processing system.

1.2 Scope of the document :

The system will cater to merchants, customers and financial institutions, providing secure, fast, and reliable payment solutions. It will handle transaction processing, fraud detection and data encryption.

1.3 Overview

This system is designed to facilitate secure & efficient processing of credit card transaction for various business.

2. General Description :

Transaction authorization : validate credit card information & authorize

Transaction Capture : Process and record completed details, proof of origin

Fraud & reporting : Generate reports and transaction data, including sales & refund

3. Functional Requirements

- System shall allow merchants to input and process credit card information.
- Authorize transaction - verifies details.
- Should issue refunds for incomplete transactions.
- Fraud detection - identifying suspicious transactions.

4. Interface Requirement :-

- API integration - Integrating system with e-commerce platforms and payment gateway.

5. Design Constraints :-

- Should handle multiple transactions.
- Support multiple currencies and international payments.

6. Performance Requirements :-

- Processes transactions in less than two seconds.

7. Non-Functional Requirements :-

- High reliability with 99.99% uptime.
- Robust encryption standards for data protection.

8. Preliminary Schedule and Budget

• Timeline - 4 months for development

• Budget - ₹ 70,000 for dev and testing

Split up -> (Stage 1 - 10,000, Stage 2 - 25,000, Stage 3 - 30,000, Stage 4 - 15,000)

Library Management System

SRS Document :-

1. Introduction :-

1.1 Purpose :- To automate library operations like cataloging, inventory management, and user tracking.

1.2 Scope :- Covers borrowing, return and fine collection, reducing manual work.

1.3 Overview :- Manages book inventory, and manages user data for streamlined library services.

2. General Description :-

The system manages book inventory, lending processes and user data. Users include librarian, student, and faculty.

3. Functional Requirements :-

- Borrowing and returning books
- Catalog search for users
- Overdue fine calculation and notification

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