

II Credit card processing.

Problem Statement :

A credit card processing involves collecting order information online, storing it in the database and entering it using on-site merchant credit card processing system.

SRS

1. Introduction

1.1 Purpose of the document

This document aims to outline the requirements & specifications for the development of a credit card processing software.

1.2 Scope of the document

This document defines the overall working & main objective of the credit card processing software.

1.3 Overview.

It is designed to streamline & automate the process of handling credit card transactions. It provides a platform to accept, manage transactions.

2. General Description

The software facilitates secure transaction b/w merchants and customers. Key features include:

- Transaction processing
- User characteristics
- Secure payment processing
- Fraud detection

3. Functional Requirements

- Authorization
- Transaction logging
- Fraud detection
- Reporting
- Refund Processing.

4. Interface Requirements

- Payment Gateways
- POS systems
- Merchant Dashboards.

5. Performance Requirements

- Response Time should be milliseconds
- High scalability, for handling huge transactions
- Low error rate

6. Design Constraints

- Compliance → Adhering to industry standards such as PCI DSS for secure handling of payment card data.

7. Non functional Attributes

- Security, Reliability, Portability, Data Integrity.

8. Preliminary schedule and Budget

The initial version of project plan ~~is~~ includes a timeline for development and estimated budget requirements. Around 6 months time of \$200,000.

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