

## 2. Credit card Processing

### Problem statement:

A credit card processing system that is both resilient and efficient, guaranteeing smooth transactions for users while adhering to stringent industry standards and regulations. This system should encompass a spectrum of functionalities for transaction.

### SRS:

#### 1. Introduction:

##### 1.1. Purpose of this Document:

The purpose is to outline the specifications and requirements of credit card processing system. It serves as a comprehensive guide for development team, stakeholders, and users, detailing objectives, scope and overview of system.

##### 1.2 Scope of this Document:

This document defines the overall working and objectives of credit card processing. It describes the value of it will provide to customers and stakeholders, including secure and efficient handling of credit card transactions.

##### 1.3 Overview:

This system is designed to facilitate the transactions securely and efficiently. It provides a centralized platform for merchants to accept payments from customers.



## 2. General description:

The software facilitates secure transaction between 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 (Point of sale)
- 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  
PCI DSS for secure handling of payment card (PCI → Payment card Industry)  
(DSS → Data security standard).



## 7. Non-functional Attributes:

- Data Integrity

- Security

- Portability

- Reliability

## 8. Preliminary schedule and Budget:

Development timeline → around 6 months

Estimated budget → 1,68,00,000 ₹