

DATE 05/04/2024

II. CREDIT CARD PROCESSING SYSTEM.

1. Problem Statement:

The existing credit card processing system lacks efficiency and security measures, leading to potential fraud risks and customer dissatisfaction. An upgraded credit card processing system is imperative to ensure seamless transactions, enhance security and maintain customer trust.

1. Introduction:

1.1 Purpose: Outline the needs and goals of development of credit card processing system.

1.2 Scope of the document: overall working & objectives of CCS

1.3 Overview:

The CCS is designed to facilitate the processing of transactions securely and efficiently, centralize platform for merchants to accept payments through cards.

2. General Description:

+ Authorization of credit card transactions in real time.

+ Settlement of transaction. Pends and receipt management of accounts, payments method.

PAGE NO :
DATE :
Payment Gateway, Merchant Service Provider.

3. Functional Requirements:

Authorization: validate info, card no, date, cv, transaction.

Settlement capture funds from authorized transactions.

Customer management: Registrations of new customers, updation.

Integration: Payment gateways.

Compatibility: credit cards, debit cards, upi.

4. Interface Requirements:

• User Interface: Initiate and manage transaction, secure login and authentication.

• System Interfaces: external Payment gateway, secure communication protocols.

5. Performance Requirements:

Response Time: Quick, minimal downtime, Scalable architecture.

Reliability: Reliable transactions, Fault tolerance.

Design constraints:

Security: Encryption, Compliance w/ PCI DSS

Compliance: Regulatory requirements, regular audits.

Non-functional attributes:

Scalability: Scale CCS for growth in transaction adapt to changing business needs

Portability: Compatibility w/ different OS cloud deployment, option for flexibility.

Preliminary Schedule Budget

Estimated timeline: 9 months.

Budget: ₹ 5,00,000

CSO
5/12/20