Credit Card Processing

1. Introduction:-

x. Purpose of this Document:- This document outlines the requirements for the development of a Credit card Processing system detailing its functionalities, interfaces, performance expectations.

x. Scope of this document:- The document defines the scope of the credit card processing system project, including its objectives, deliverables, development costs.

x. Overview:- The Credit card processing system is designed to facilitate secure and efficient processing of credit card transactions.

2. General description:-

The credit card processing system will cater to merchants and customers providing a secure and reliable platform for processing credit card transactions. The system will support various transaction types, including purchases, refunds and voids.

3. Functional Requirements:-

x. User authentication

x. Transaction processing

x. Reporting

x. Integration

x. Compliance

4. Interface Requirements

* User interface : The system should have a user-friendly interface for merchants to process transactions and generate reports

* Hardware interfaces :- The system should be compatible with standard hardware components for communication.

* Software interfaces: The system should integrate with third-party APIs for payment processing and data exchange.

5. Performance Requirements:-

* Real-time processing :- The system should process transactions in real-time

* Reliability :- The system should be reliable and available for use at all times.

* Scalability :- The system should be able to handle high transaction volumes.

6. Design Constraints

* Compliance :- The system must comply with PCI DSS standards.

* Security :- The system must use secure encryption algorithms for data transmission and storage.

* Integration :- The system must be able to integrate with existing POS systems and third-party APIs.

7. Non-Functional Attributes

* Security :- The system must ensure

the security of credit card data

* Portability :- The system should be easily portable to different environments.
x Reliability :- The system should be reliable and available for use at all times.

8. Preliminary schedule and budget :-
    The development of the credit card
Schedule :-
· Estimated timeline for development, testing and deployment phases.
· Budget :
2. Cost estimate for development resources, software licenses and infrastructure.

Roll:
2 - 7/3/24.