

Credit card processing

1) Introduction

1.1) Purpose of the document

Problem Statement

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

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1. Introduction

1.1 Purpose:-

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

1.2 Scope of the document

This document defines the overall working and main objectives of the credit card transactions, it provides a platform to accept, manage transactions.

2. General description

The software facilitates secure transaction b/w merchant and customer.

Key features include:

- Transaction processing
- user characteristics
- Secure payment processing
- ~~payment~~ fraud detection

3 Functional Requirements

- Authorization
- Transaction logging
- Fraud detection
- Reporting
- Refund processing

4 Interface Requirements

- Payment gateways
- POS system
- Merchant Dashboards

5 Performance requirements.

- Response time should be millisecond
- High scalability, for handling huge transaction
- Low error rate.

6 Design constraints

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

7 Non-functional attributes

Security, Reliability, portability, data
Integrity

8) Preliminary Schedule and Budget

This The initial version of the project plan to include a timeline for development and estimated budget requirements around 6 months and \$200,000

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