

2) Credit Card Processing

Roblem Statement

A credit card processing system automates the secure handling of card transactions between users, merchants, and banks. Et should support authorization, capture, settlement, and reporting. Key features include fraud detection, encrypted data transfer, and transaction dogs. The system must ensure realtime processing and digh reliability. Regulations compliance is

Software Requirement Specification

1. Entroduction

1.1. Purpose of the document

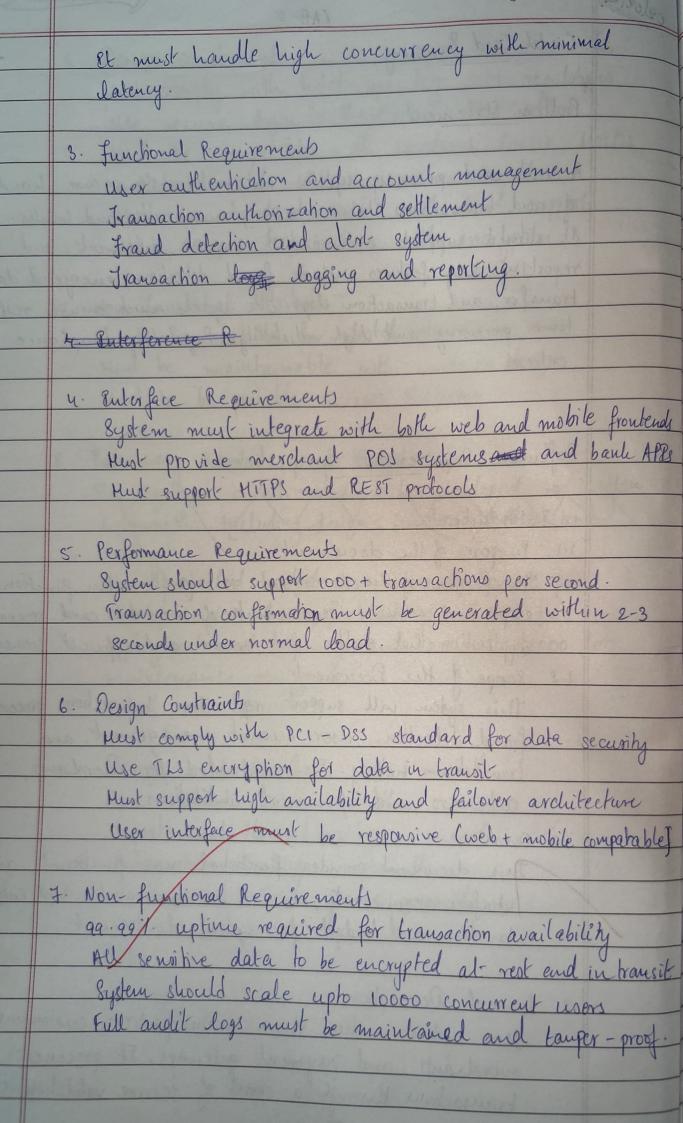
The purpose of the document is to outline the functionality, scope and technical requirements of a credit courd processing application that enables fast, secure and efficient transaction

1.2. Scope of the Document

This system will support real-time transaction processing frand detection, user account management, and customers, and financial institutions

This document provides functional, non-functional, and Interface requirements, as well as constraints and expected tiveline and budget for system development.

2. General Description The system involves three main parties: customers, merchant, and payment gateways. It processes transactions through a series of secure validation steps



| 8. Preliminary | Schedule | and | Budget | |
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Schedule (6 months)

Month 1 - requirements analysis and architecture planning Month 2 - user authentication module q initial vi modules Honthis - Transaction engine & API integration with banks Monthy - Frand detection, logging, and alest systems Month 6 - Final QA, deployment by documentation

Budget Breakdown

Developer Salaries \$ 180,000 Security & Compliance Tools Hosting & Enfrastructure Testing and QA Project management ly documentation - \$ 30000

Total Cost 1 2 300000 entrance Kalling services for Indent, Bealt

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