

Credit Card System

Introduction

Purpose of this Document

To define the functionalities and requirements of a credit card management system. This document is necessary for aligning the project goals with client needs.

Scope of this Document

The system will facilitate the management of credit card transactions, ~~at~~ credit limits, and billing cycles. It will also include security measures for fraud detection.

Overview

The system will automate credit card ~~systems~~ ~~expense~~ issuance, monitoring of credit card usage and payment processing, providing a secure platform for credit card management.

General Description

The credit card system will allow users to manage card applications, monitor transactions, handle bill payments and check credit limits. User groups include customers, bank staff and administrators.

Functional Requirements:

- Credit card application and approval
- Transaction tracking and statement generation
- Fraud detection and reporting
- Credit limit management

Interface Requirements

- User interfaces for card holders, bank staff, admin
- Integration with banking core systems
- Secure API for 3rd party payment systems.

Performance Requirements

- Process transactions within 2 seconds
- Handle 100,000 daily transactions with no downtime
- Maintain error rate below 0.01%

Design Contracts

- limited to bank-approved security algorithms
- must work legacy banking systems.

Non-Functional Attributes

- High-level security with encryption for data storage
- 24/7 availability
- Fault-tolerant for zero transactions loss.

Preliminary Schedule and Budget

- Estimated development time: 8 months
- Budget: 29,00,000