

* SRS for Credit card system:

1) Introduction:

- 1.1 Purpose: This document outlines the requirements for the credit card management system. The system will enable users to manage their credit card accounts, view transaction history, make payments, & receive bills securely & efficiently.
- 1.2 Scope: The system will allow cardholders to access their account details, perform transactions, & manage payments. Admins will oversee credit limits, process payments, & monitor suspicious activities. This SRS
- 1.3 Overview: The system will provide secure access to credit card details, transaction history, & payment options. Key features include real-time account updates, automated billing, & fraud detection.

2. General Description:

2.1 User characteristics:

- Cardholders: view account details, transaction history and make payments.
- Admins: Manage user accounts, monitor transactions and handle billing.

2.2 Features:

- Transaction History: users can track their past purchases & payments.
- Billing: Automated monthly bill generation with detailed statements.
- Payments: Secure payment options for cardholders.
- Fraud detection: Alerts for unusual activities.

2.3 Features:

- provides real-time access to credit card information.
- Automates billing & enhances security with fraud detection.

3. Functional Requirements:

- User Account: Register, manage accounts & link credit cards.
- Transaction history: View & filter transaction records.
- Billing: generate monthly bills ^{with} balance & payment info.
- Payments: support online payments via integrated gateways.
- Alerts: Notify users of suspicious transactions.

4. Interface Requirements:

- User Interface: web and mobile-friendly interface for users and admins.
- System Interface: Integration with payment gateways and banking systems.

5. Performance Requirements:

- Response Time: Display account details within 4 seconds.
- Capacity: Handle up to 1000 concurrent users.

6. Design Constraints:

- Hardware: cloud-based infrastructure with at least 8GB RAM.
- Software: we can use Java, Angular, &

7. Non-Functional Attributes:

- Security: Encryption & compliance with PCI DSS standards.
- Reliability: Ensure 99.9% uptime

8. Preliminary schedule and Budget:

8.1 schedule:

- Development: 8 weeks
- Testing & Deployments: 3 weeks

8.2 Budget:

- Development costs: \$30,000
- Infrastructure: \$4000/year

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