

Credit card Management

1. Functional Requirement:

- User Registration & login - login functionality with username & password.
- Credit Card Issue & activation - Issue new credit card after approval.
- Billing & Payment - Generate Monthly statement with details of all transaction.
- Credit limit Management - Set & modify credit limit based on credit history.
- Customer service - Online chat & email support
- Admin management - View & audit all customer accounts & transaction.

2. Non-Functional Requirement:

- Performance - Avg. response time should not exceed 3sec.
- Scalability - System should be ~~available~~ able to support increasing no. of customers, transaction.
- Security - Encrypt sensitive data, implement secure communication.

3. Domain Requirement:

- Credit Card application rules - All applications should undergo credit worthiness check.
- Transaction rules - All transactions should be timestamped and stored securely.
- Billing rules - Statements should be generated at the end of every billing cycle.