

## Credit Card Processing System:

- ① ↳ problem statement: credit card processing systems face challenges such as slow transaction, security, difficulties, increased fraud risk & customer dissatisfaction.
- ↳ Scope: credit card system should facilitate transaction processing, fraud detection, user management, reporting and integration.

## ② Functional Requirements:

- ① User authentication - users can create accounts & manage with secure authentication.
- ② Transaction processing - support for credit card payments, refunds & chargebacks.



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- ③ Fraud Detection and Prevention: Monitor transactions for suspicious activity, notify users of flagged transactions
  - ④ Customer Support Interface: provide tools for customer service and user support
  - ⑤ Integration capabilities: Offer API for seamless integration

### 3 Non-functional Requirements

- ① performance - system should process transactions
- ② security
- ③ Reliability
- ④ Usability

### 4 Domain

- ① Interoperability - Define implement data
- ② Data Retention policies - implement in compliance with Regulations

By 11/01/24