

2) Credit card processing system:

Problem statement:

it aims to provide a secure, efficient and reliable method for handling transactions via credit card.

Scope:

- (i) process credit card trans
- (ii) support multiple payments
- (iii) provide realtime trans tracking.

Function requirements:

(i) Transaction processing:

should securely capture and process the card trans.

(ii) User management:

should allow user to create and manage acct.

(iii) Reporting:

should provide reports on trans successful or, failure.

Nonfunctional requirements:

(i) product: Performance, Security, Availability, Usability

(ii) Organization: Compliance, maintainability, Documentation, support and Training

(iii) External: Interoperability, Legal and Regulatory Compliance
Third party Integration, Service Level Agreement.

Domain requirement:

(i) Transaction Processing: Authorization, Settlement, Refund and Voids

(ii) User Authentication: Two factor Authentication, Cardholder Authentication/Verification

(iii) Fraud Detection and Prevention: Fraud Scoring, Real-time Alert, Blacklist/whitelist

(iv) Transaction limit and Restrictions: Credit Limit Enforcement, merchant-specific Restrictions