

## 2. Credit Card Processing

Problem Statement - Ensure secure handling of credit card information, prevent fraud, ensure operation portable user friendly interface that is easy to understand should also be compatible with different devices

### SRS

#### ① User Requirement:

1. Easy to use Interface - should have very user friendly interface that is easy to use and navigate
2. Fast transaction processing - should be able to process transactions quickly and efficiently
3. Multiple Payment options - should even support for credit card, debit card and e-wallets.
4. Secure Transaction processing -
5. Reliable and always available
6. Customer support

#### ② Software Requirement:

1. Payment Gateway integration - System must integrate with popular payment gateways.
2. Transaction processing - must allow merchants to initiate authorize and capture transactions quickly and securely.
3. User management and Reporting
4. Security and compliance

#### ③ Functional Requirement:

1. The system shall allow merchants to create and manage user account with different access levels.



2. The system shall generate reports on transactions, settlements and other financial activities.

#### ④ Non-functional requirements:

1. Performance - should be able to handle high transaction volume without compromising
2. Availability - shall be available 24/7 to ensure that merchants can process transaction anytime.
3. Scalability and usability

#### ⑤ Domain requirements:

1. Compliance - must comply with industry-standard security and compliance protocol
  2. Payment regulation - must comply with payment regulation such as interchange fees, chargebacks & refunds
  3. Payment methods and Transaction fees
  4. Customer support, fraud detection and prevention
  5. Settlement and Reconciliation.
  6. Industry-specific features - for business such as subscription billing, recurring, virtual terminals.
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