

## Credit card processing system

### 1. Problem Statement:

Traditional method of payment using cash has now become inconvenient with the rise of网上银行 and digital transactions which have eliminated the need of cash or keeping track of cash remaining. Credit card is also a very convenient method of transaction. Hence the need of credit card processing system.

### 2. Scope:

The credit card processing is done with help of swipes which scan details of the card. After each transaction, the details are recorded. Accepting credit card is an integral part of business for merchants and helps them grow their business. Software and gateway processing helps reduce fraud losses, saves you time and money. Swiping credit card ensures lower rates, resulting in potential saving of money.

### 3. Functional Requirements:

- 3.1 The process of swipe is to scan the information in the magnetic tape and inputs the PIN number of credit card to make a successful transaction.
- 3.2 When the card is swiped, a remote connection is made with issuer and amount is retrieved.
- 3.3 The PIN number must be genuine.
- 3.4 The credit card holder must pay his debts genuinely.

### 4. Non functional requirements:

- 4.1 Performance Requirements: The swipe should work effectively during the transaction for good maintenance of the system.
- 4.2 Safety Requirements: The card issuer must update the



record of the card holders to prevent fraudulent action and other errors that may occur during transaction

### 5. Domain Requirements:

- 5.1 Credits card payments must be processed in compliance with Payment Card Industry Data Security Standard.
- 5.2 It is not permissible to transmit or obtain credit card information by email, Wireless Devices, PDA's, Instant messaging chat Application or other insecure methods unless approved by IT.

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