

# CREDIT CARD PROCESSING

## Synopsis

- XYZ Bank is entering newly into Credit Cards business to implement a state-of-the-art solution to complement its business strategy and to gain competitive advantage
- The new solution should provide strategic advantage to XYZ Bank by reducing time to market new financial products and meet the local retail requirements of Indian market

The System should be capable of doing below mentioned functionalities:

### Application processing

- This module should be able to capture the customer details, validate and store
- Customer details include name, Date of Birth, address, mobile #, PAN, email id
- VISA card products — card number starts with 4 and MASTER card products — card number starts with 5
- card number logic: 16 digits running sequence number (database sequence)
- Maker (capturing all details in the screen and store) & Checker facility should be available to issue a credit card
- Validation — PAN, mobile # and email id are mandatory fields to issue a credit card
- Credit limit to cardnumber should be assigned as per the product master for the selected product

Card expiry date (YYMM) should be arrived based on product expiry (in months) parameter in product master for the selected product

- Provision should be available in Database table to track the status of the card i.e. open, closed, etc

### Merchant enrollment

- This module should be able to capture the merchant details, validate and store

- Merchant details include merchant name, address, mobile #, email id, bank a/c #,IFSC code, bank name & location
- Unique merchant code (maximum length is 7 digits) should be created during checker facility
- Maker & Checker facility should be available to enroll a new merchant  
Validation — Mobile # and email id are mandatory fields to enroll a merchant
- Provision should be available in Database table to track the status of the merchant i.e. active, closed,etc

### **Transaction type definition**

- This module should be able to add different types of transactions, any customer can do
- For example: Balance Enquiry, Purchases, Payments, Cancellation etc.,
- Maker & Checker facility should be available to define a transaction

### **Product definition**

- This module should define the credit card product available like Gold, Plantinum and Titanium
- Product type (5 digits unique number), product description, product BIN value ( 6 digits unique number), sub BIN value ( 2 digits number) , product expiry (in months e.g 12, 24, 36 months), per day limit (amount in INR) , payment due date (day of the month in number for e.g 10<sup>th</sup>, 20<sup>th</sup> ) should be captured
- Credit limits should be captured and the same should be assigned to cardnumber during application processing
- Maker & checker facility should be available to define a product
- Product details (CREDIT CARD PRODUCT MASTER) will be stored in the database table for future reference (during card number generation)

### **Transaction posting**

- Transaction posting can be done online or through batch. The offline transaction details would be provided in a flat file. The file has to be validated and details are to be captured.
- Provision should be available to capture card number, merchant code, transaction type (pick values and show as LOV from TRANSACTION DEFINITION MASTER)
- Transaction amount and currency details should be captured
- Validation should be required for card number and merchant code
- Card & merchant details should be displayed on the screen automatically based on the input card number / merchant code
- Transactions would be performed by open cards at active merchant locations only
- Transaction should be declined when closed card number being used at active ME location and vice versa and proper alert message should be displayed
- Available credit limit should be displayed on the screen for the entered card number
- Transaction should be declined when credit limit is not available proper alert message should be displayed
- Product master per day limit should be checked against the input transaction amount and decline the transaction when the input txn amount > per day limit & proper alert message should be displayed
- Maker and Checker facility should be available to post a transaction
- Auth code ( 6 digits unique code ) should be generated during checker facility
- All captured transactions details (TRANSACTION MASTER) will be stored in the database table.