

Credit Card Processing System

DATE:

PAGE:

Enumeration
Card type
Visa
MasterCard

Enumeration
Payment Status
Success
Failed
Pending
Cancelled

abstract
Online Transaction
+ URI: String
+ processTransaction()
+ cancelTransaction()

In Store Transaction
+ Loc: String
+ processTransaction()
+ cancelTransaction()

Process gateway
+ processTransaction()

Payment Gateway
+ id: Int
+ Name: String
+ initiatePayment()
+ verifyPayment()

(Incomplete)

Account
+ accno: Int
+ balance: float
+ limit: float
+ transaction: List
+ validate(): void
+ debit(): void
+ checkBal(): float
+ getTransaction(): List

Transaction
+ tid: Int
+ date: Date
+ amount: float
+ status: String
+ processTransaction()
+ cancelTransaction()

Transaction
+ tid: Int
+ date: Date
+ amount: float
+ status: String
+ processTransaction()
+ cancelTransaction()

Card processing
+ processTransaction()

Credit Card
+ cardno: Int
+ expiry: Date
+ securitycode: String
+ validate(): bool
+ blockCard()

Payment Details
+ transaction: String
+ fee: float

Sequence of transactions