

CREDIT CARD PROCESSING

PERSON

+name: string
 +address: string
 +phone-no: int
 +email: string
 +update-contact: info()

MERINANT

+id: int
 +process-payment()

BANK

+name: string
 +address: string
 +id: int
 +check-transactions()
 +phone()

+get-credit-
 details()

CARDHOLDER

+id: int
 +acc-no: int
 +name
 +view-history()

PROCESSING

+id: int
 +fee: double
 +offer()
 +cancel()
 +detect-fraud()
 +complete

MANAGER MANAGED BY

CREDIT CARD

+name: string
 +cvv: int
 +exp-date: date
 +no: int
 +validate()
 +update-balance()

VISA CARD

+id: int
 +generate-
 card()

MASTERCARD

+credit-limit: int
 +display-limit()

TRANSACTION

+id: int
 +date: date
 +amount: double
 +status: string
 +start()
 +complete()
 +cancel()
 +detect-fraud()

ACCOUNT

DATABASE

+acc-no: int
 +balance: double
 +manage()

+id: int
 +details: string
 +manage()

PAYMENT GATEWAY

+id: int
 +transaction-id: int
 +process()
 +refund()
 +check-fraud()

HAS

SUPPORTS