

# Credit card

Statement

+ statement ID: String

+ issue Date: String

+ total Amount Due: Double

+ generate Statement (customer: Customer)

includes

0..1

Transaction

+ transaction ID: Int

+ amount: Double

+ date: Date

+ status: Transaction Status

+ initiate Transaction()

+ cancel Transaction()

+ refund Transaction()

Pending

Confirmed

Cancelled

Refunded

+ Statement()

Credit Card

+ cardNo: String

+ card CVV: int

+ expiry Date: String

+ balance: Double

+ validate Card() boolean

+ block Card() void

+ unblock Card() void

belongs

0..\*

Customer

+ customerId: Integer (unique)

+ name: String

+ contact: Integer [0..10]

+ make Payment (amount: Double)

+ request Card Replacement()

Transaction

+ participate

1..\*

Bank

+ bankID: String

+ bankName: String

+ contact: String

+ authorize Transaction()

+ block Card()

+ settle Transaction()