## 1. Class "InterbankInterface"

# <<interface>> InterbankInterface + payOrder(card : CreditCard, amount : int, contents : String) : PaymentTransaction + refund(card : CreditCard, amount : int, contents : String) : PaymentTransaction

#### Attribute

None

## Operation

#	Name	Return type	Description
1	payOrder	PaymentTransaction	Pay order
2	refund	PaymentTransaction	Refund money

#### Parameter:

- payOrder
  - o creditCard
  - o amount
  - o contents
- refund
  - o card
  - o amount
  - o contents

#### Exception:

None

#### Method

None

#### State

None

#### 2. Class "InterbankSubsystem"

## InterbankSubsystem - ctrl: InterbankSubsystemController + payOrder(card: CreditCard, amount: int, contents: String): PaymentTransaction + refund(card: CreditCard, amount: int, contents: String): PaymentTransaction

#### Attribute

#	Name	Data type	Default value	Description
1	ctrl	InterbankSubsystemController	NULL	Controller payment
				transaction

#### Operation

ſ	#	Name	Return type	Description
	1	payOrder	PaymentTransaction	Pay order
	2	refund	PaymentTransaction	Refund money

#### Parameter:

- payOrder
  - o card
  - o amount
  - contents
- refund
  - o card
  - o amount
  - o contents

## Exception:

None

#### Method

None

#### State

None

#### 3. Class "InterbankSubsystemController"

#### Interbank Subsystem Controller

- + refund(card : CreditCard, amount : int, contents : String) : PaymentTransaction
- + payDeposit(card : CreditCard, amount : int, contents : String) : PaymentTransaction
- + generateData(data: Map<String, Object>): String
- + makePaymentTransaction(respond : MyMap) : PaymentTransaction

#### Attribute

None

## Operation

#	Name	Return type	Description
1	refund	PaymentTransaction	Refund money
2	payDeposit	PaymentTransaction	Pay deposit money
3	generateData	String	Generate data
4	makePaymentTransaction	PaymentTransaction	Make payment transaction

#### Parameter:

- payDeposit
  - o creditCard
  - o amount
  - o contents
- refund
  - o card
  - o amount
  - o contents
- generateData
  - o data
- makePaymentTransaction
  - o respond

#### Exception:

None

#### Method

None

#### State

None

## 4. Class "InterbankBoundary"

InterbankBoundary		
+< <boundary>&gt; query(url: String, data: String): String</boundary>		

## Attribute

None

## Operation

#	Name	Return type	Description
1	query	String	Query url and data with boundary
			bank

## Parameter:

- url
- data

## Exception:

None

#### Method

None

#### State

None