## **1. Class “InterbankInterface”**

Diagram

Description automatically generated with medium confidence

**Attribute**

None

**Operation**

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

Parameter:

* payOrder
  + creditCard
  + amount
  + contents
* refund
  + card
  + amount
  + contents

Exception:

None

**Method**

None

**State**

None

2. **Class “InterbankSubsystem”**

Table

Description automatically generated

**Attribute**

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

**Operation**

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

Parameter:

* payOrder
  + card
  + amount
  + contents
* refund
  + card
  + amount
  + contents

Exception:

None

**Method**

None

**State**

None

3. **Class “InterbankSubsystemController”**

Text

Description automatically generated

**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
  + creditCard
  + amount
  + contents
* refund
  + card
  + amount
  + contents
* generateData
  + data
* makePaymentTransaction
  + respond

Exception:

None

**Method**

None

**State**

None

4. **Class “InterbankBoundary”**

Diagram

Description automatically generated with medium confidence

**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