

Design for Interface “Ipayment”

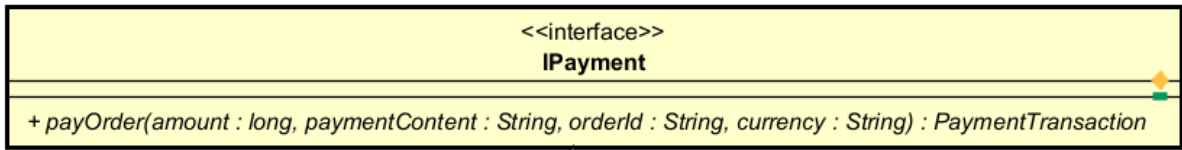


Table 1. Example of attribute design

Table 2. Example of operation design

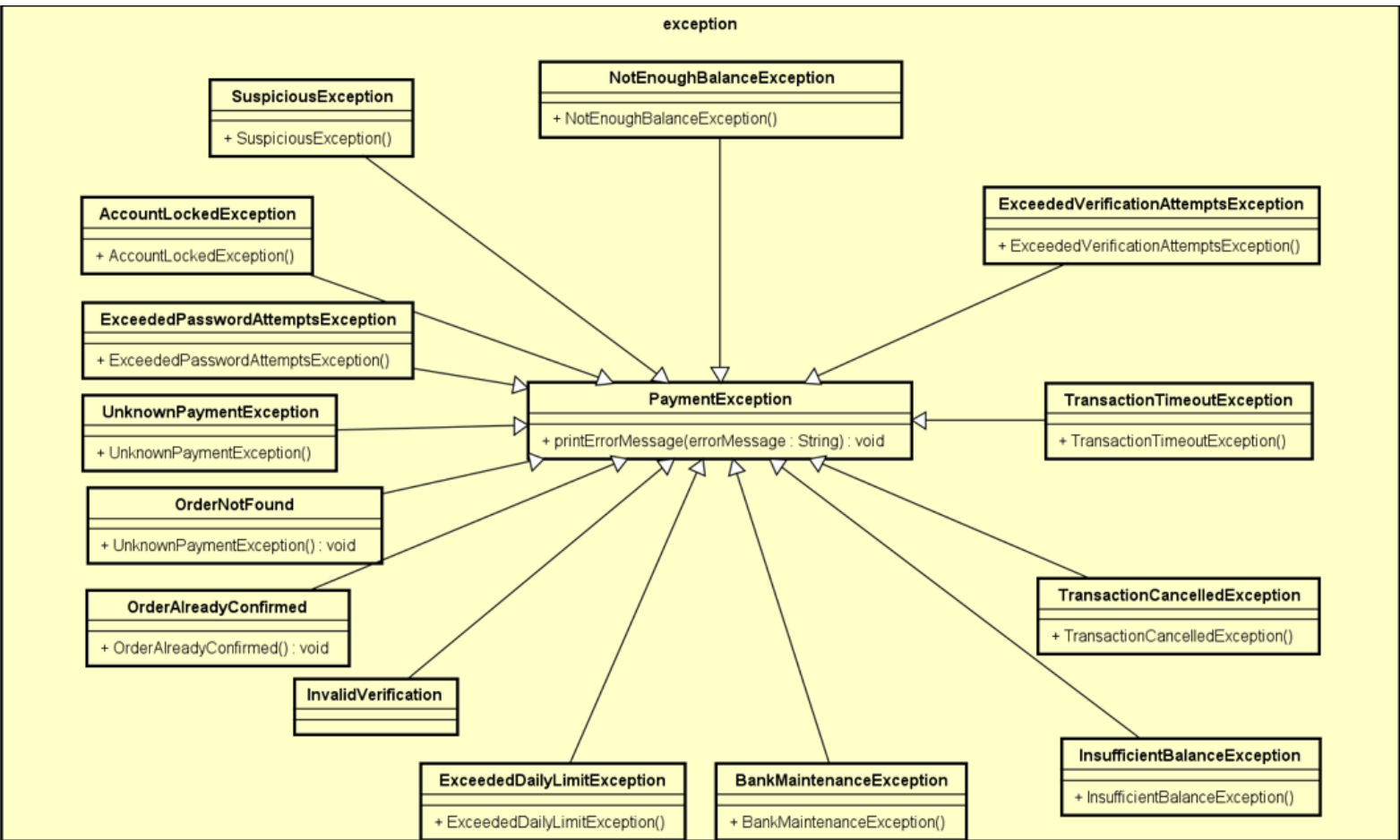
#	Name	Return type	Description (purpose)
1	payOrder()	PaymentTransaction	Used to return a payment transaction of a specific order

1. Method “payOrder”

- Parameter

#	Name	Description
1	amount: Long	The total prices of products in the order
2	paymentContent: string	Customer’s note on the payment
3	orderId: string	Id to specify order
4	currency: string	The currency customer use to pay

- Exception



#	Name	Description
1	NotEnoughBalanceException	The balance of customer's card doesn't meet the order's total
2	SuspiciousException	The customer's account display fraudulent behavior
3	UnknownPaymentException	The customer's card hasn't been registered for VNPay service
4	AccountLockedException	The customer's account has been locked
5	ExceededPasswordAttemptsException	The customer provides incorrect password for current payment attempt
6	TransactionTimeoutException	Out of transaction limit time
7	TransactionCancelledException	The customer cancel the transaction
8	BankMaintenanceException	Bank can't provide services during maintenance

9	ExceededDailyLimitException	The customer has exceeded number of payment time per day
10	OrderAlreadyConfirmed	The order has already been confirmed by the product manager
11	OrderNotFound	Order doesn't exist
12	ExceededVerificationAttemptsException	The customer exceeded the limit of 3 incorrect verification attempts