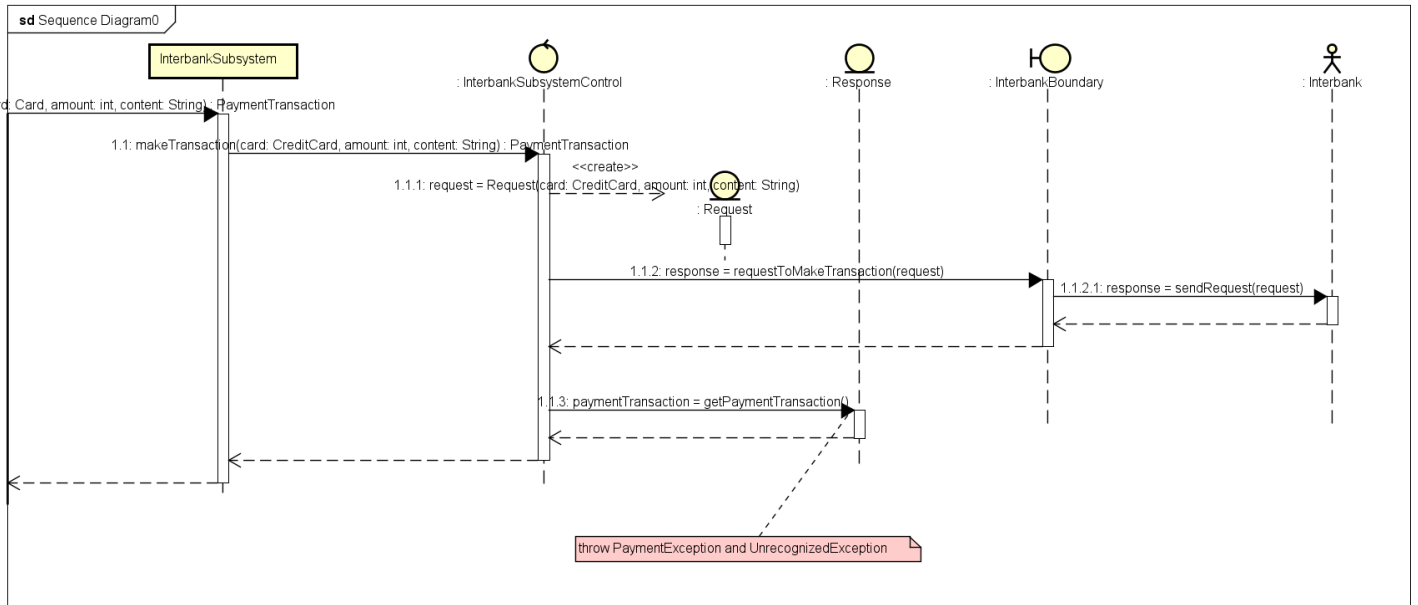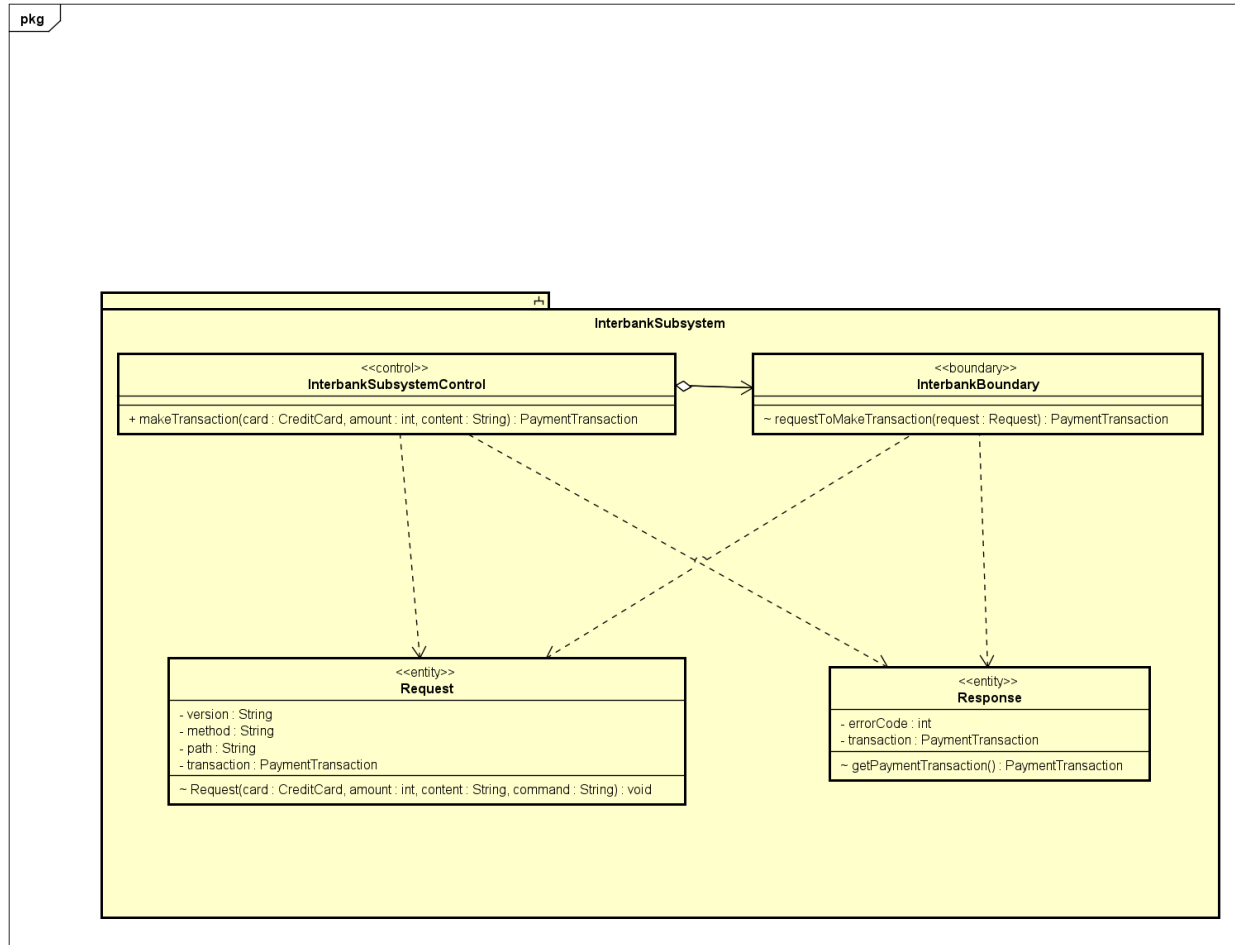# ECO BIKE RENTAL INTERBANK SUBSYSTEM
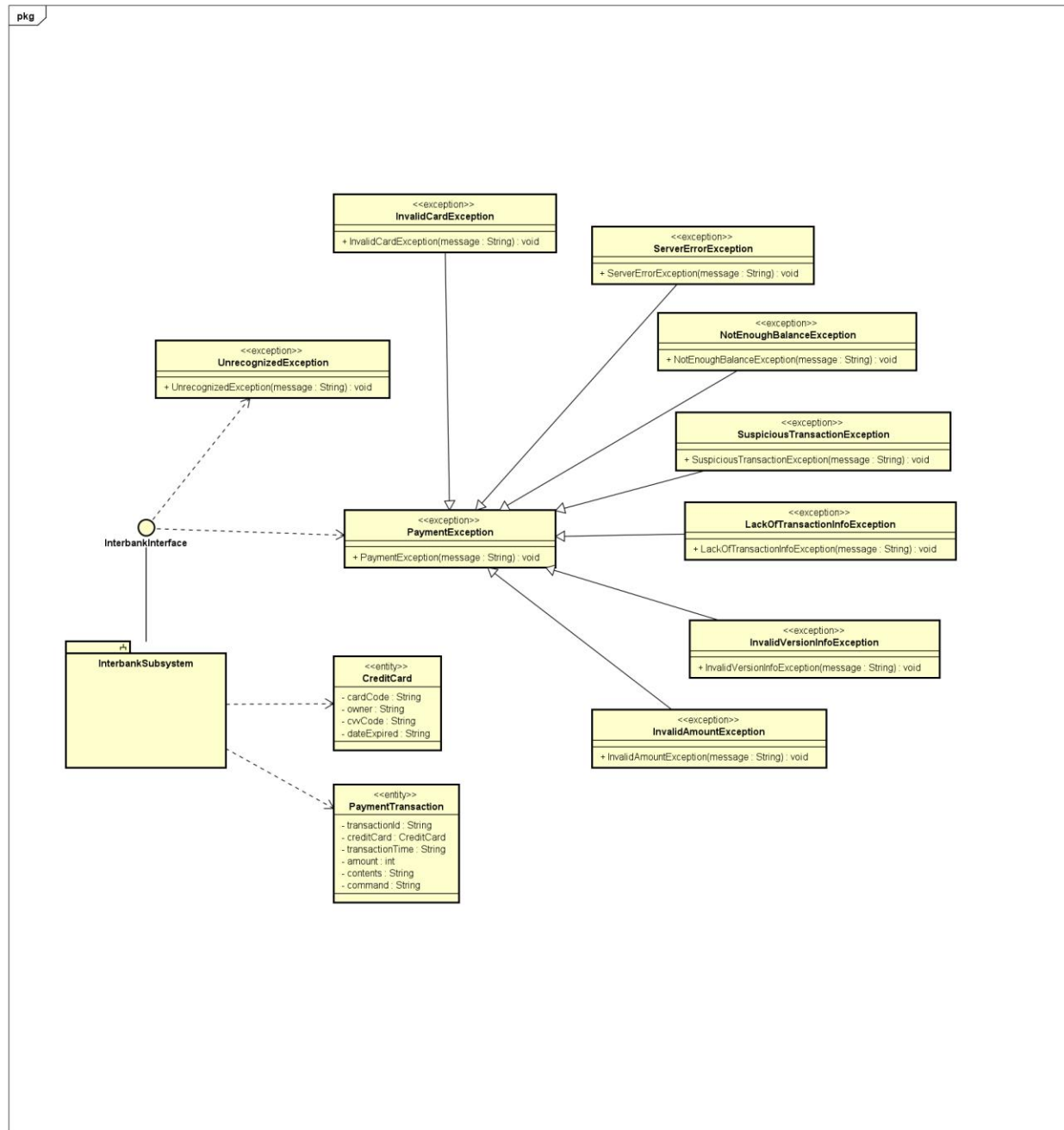
Distribute subsystem behavior to subsystem elements

Document subsystems elements

Describe subsystem dependencies

Checkpoints

pkg

<<exception>>
ServerErrorException

+ ServerErrorException(message : String) : void

<<exception>>
NotEnoughBalanceException

+ NotEnoughBalanceException(message : String) : void

<<exception>>
LackOfTransactionInfoException

+ LackOfTransactionInfoException(message : String) : void

<<exception>>
UnrecognizedException

+ UnrecognizedException(message : String) : void

<<exception>>
SuspiciousTransactionException

+ SuspiciousTransactionException(message : String) : void

<<exception>>
InvalidAmountException

+ InvalidAmountException(message : String) : void

<<interface>>
InterbankInterface

+ makeTransaction(card : CreditCard, amount : int, content : String) : PaymentTransaction

<<exception>>
PaymentException

+ PaymentException(message : String) : void

<<exception>>
InvalidVersionInfoException

+ InvalidVersionInfoException(message : String) : void

<<exception>>
InvalidCardException

+ InvalidCardException(message : String) : void

InterbankSubsystem

<<control>>
InterbankSubsystemControl

+ makeTransaction(card : CreditCard, amount : int, content : String) : PaymentTransaction

<<boundary>>
InterbankBoundary

~ requestToMakeTransaction(request : Request) : PaymentTransaction

<<entity>>
PaymentTransaction

- transactionId : String
- creditCard : CreditCard
- transactionTime : String
- amount : int
- contents : String
- command : String

<<entity>>
Request

- version : String
- method : String
- path : String
- transaction : PaymentTransaction

~ Request(card : CreditCard, amount : int, content : String, command : String) : void

<<entity>>
Response

- errorCode : int
- transaction : PaymentTransaction

+ getPaymentTransaction() : PaymentTransaction

<<entity>>
CreditCard

- cardCode : String
- owner : String
- cvvCode : String
- dateExpired : String