PayWithCard (or GiftCard Structural Diagram)

GiftCardDatabase

- db : HashMap<String, HashMap<String, String>>

- verifyCardData(cardnumber : String) : boolean
+ canRedeem(gcnumber : String) : boolean
+ getBalance(cardnumber String) : BigDecimal
+ changeStatusToRedeemed(gcnumber : String) : void
+ changeBalanceRemaining(gcnumber : String, balance BigDecimal)

<<interface>>
CardReaderObserver

+ cardDataRead(reader CardReader, data CardData)

PaysWithCard

- transactionAmount : BigDecimal
- paymentResult : HashMap<String, HashMap<String, String>>

+ receiptCardNumber() : String
+ useGiftCard(cardNumber : String) : String
+ makeTransaction() : String
+ getPaymentResult() : HashMap<String, HashMap<String, String>>

Checkout

-checkout

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