



Class
@SpringBootApplication
MoneyTransferServiceApplication

Controller

Class
@RestController
MoneyTransferController

Class
@RestControllerAdvice
GlobalExceptionHandler

Class
@Service
MoneyTransferService

Repository

<<Interface>>
Interface
CardRepository

save(CardEntity): CardEntity
findByCardNumber(String): Optional<CardEntity>
findByCardEntity(CardEntity): Optional<CardEntity>
updateBalance(CardEntity): Optional<CardEntity>
delete(CardEntity): Optional<CardEntity>
existsByCardNumber(String): boolean

Class
@Repository
CardRepositoryImpl

<<Interface>>
Interface
CardStorage

getCardList(): Map<String, CardEntityStorage>

Class
CardStorageImpl

Operation

<<Interface>>
Interface
Operation

add(OperationEntity):OperationId
getOperationById(OperationId): Optional<OperationEntity>
getStatus(OperationId): StatusOperation
getStatus(Long): StatusOperation
setStatus(OperationId, StatusOperation): boolean
removeById(OperationId): Optional<OperationEntity>
updateById(OperationId, OperationEntity): Optional<OperationEntity>

Class
@Component
OperationImpl

<<Interface>>
Interface
OperationStorage

getMap(): Map<Long, OperationEntity>
getId(): long
incrementId(): long

Class
OperationStorageImpl

<<Interface>>
Interface
OperationLogger

logWrite(OperationInfo) : void

Class
OperationLoggerImpl

Converter

<<Interface>>
Interface
CurrencyConverter

convertCurrency(Double amount,
String fromCurrency, String
ToCurrency) : Optional<Double>

Class
@Component
CurrencyConverterImpl

Exception

Class
ErrorTransferException

Class
ErrorInputDataException

Class
ErrorConfirmationException

Class
@Component
Mapper