MoneyServiceApp

~ currencyMap: Map<String, Currency>
- exchangeOfficeList: List<ExchangeOffice>

+ main(String[] args)
- configure()
- createExchangeOffice()
- CLIApplication():

Responsibilities
Application trigger and configuration

«Interface»
MoneyService

+ buyMoney(Order orderData): boolean
+ sellMoney(Order orderData): boolean
+ printSiteReport(String destination):
+ shutDownService(String destination):
+ getCurrencyMap(): Map<String, Currency>
+ getAvailableAmount(String currencyCode): Optional<Doub|

Responsibilities

Rules for Money Services.

«Value Type»
Order

~ orderNrCounter: int

- orderNr: int
- orderType: enum OrderType
- currencyCode: String
- amount: double
- createdAt: DateTime

+ Order(OrderType, String, double, String)
+ getOrderNr():int
+ getOrderType(): OrderType
+ getCurrency(): Currency
+ getAmount(): double
- getCurrentDateTime(): DateTime

Responsibilities
Holding information about
the requested exchange
and generate a unique
identification of the order.

HQ

Responsibilities
For future development.

ExchangeOfficeSupport

Responsibilities:

For future development.

Support class for exchange offices, this
includes validating orders, store data to fi

CLIHelper

~menuInput(): int
~orderRequest(): Order

Responsibilities

ServiceConfig

~readConfig(String)

Responsibilities
Applicationi configuration is set up
from a passed file.

Currently using
CurrencyConfig_{YEAR}-{MONTH}-{DAY}.txt &
ProjectConfig.txt

ExchangeOffice

- name: String
- completedTransactions: Map<DateTime, List<Transaction> >
- inventory: Map<String currencyCode, double amount>

+ ExchangeOffice(String, Map<String, double>)

- validateOrder(Order orderData): boolean
- getCompletedOrders(): List<Order>
- storeToTextfile(String destination)

Responsibilities

Defines a exchange office
within the system.

«Uses»

«Creates»

«Ownes»

«Value Type»
Transaction

- order: Order
- createdAt: DateTime

+ Transaction(Order)
+ getOrder: Order
- getCurrentDateTime(): DateTime

Responsibilities
Represents a completed order. When order is
validated, a transaction is created.

Currency

- currencyCode: String
- rate: double

+ Currency(String, double)
+ getRate(): double
+ getCurrencyCode(): String
+ setRate(double):

Responsibilities

Time

- hour: int
- minute: int

+ Time(int,int)
+ getHour(): int
+ getMinute(): int

Responsibilities
This class holds time information
in the form of hours and minutes.