HeadQuarters
Companion application to ExchangeSite

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affix.java.project.moneyservice::Statistics

-superCurrencyMap: Map<LocalDate, Map<String, Double»-exchangeRateMap: Map<LocalDate, List<ExchangeRate»-sellList: List<Transaction>

-buyList: List<Transaction>

-recalculatedSell: DoubleSummaryStatistics

-recalculatedBuy: DoubleSummaryStatistics

-doubleList = new ArrayList(): List<DoubleSummaryStatistics>

-result: Double

logger: Logger

+Statistics(Config config): ctor

+presentStatistics(Map<String, String> filter, HQ hq): void

+statClear(): void

+filterFinish(List<Transaction> reducedList, Config config): void

+getSuperCurrencyMap(): Map<LocalDate, Map<String, Double»

+setSuperCurrencyMap(Map<LocalDate, Map<String, Double» superCurrencyMap): void

+getExchangeRateMap(): Map<LocalDate, List<ExchangeRate»

+setExchangeRateMap(Map<LocalDate, List<ExchangeRate» exchangeRateMap): void

+getSellList(): List<Transaction>

+setSellList(List<Transaction> sellList): void

+getBuyList(): List<Transaction>

+setBuyList(List<Transaction> buyList): void

+getRecalculatedSell(): DoubleSummaryStatistics

+setRecalculatedSell(DoubleSummaryStatistics recalculatedSell): void

+getRecalculatedBuy(): DoubleSummaryStatistics

+setRecalculatedBuy(DoubleSummaryStatistics recalculatedBuy): void

+getDoubleList(): List<DoubleSummaryStatistics>

+setDoubleList(List<DoubleSummaryStatistics> doubleList): void

+getResult(): Double

+setResult(Double result): void

+getLogger(): Logger

+setLogger(Logger logger): void

+toString(): String

Provides the functionality for running statistics on the transactions and presenting output. Uses the filters to reduce, and then stream to filter the rest on TransactionMode. Extracts attributes for statistics.

affix.java.project.moneyservice::HQ

HQTheApp::HQTheApp

+statsPeriodChoiceMenu(Map<String, String> filter, HQ hq, Config config): Map<String, String>

+createProjectConfigTxt(List<String> currency, List<Integer> value, String refCurrency): void

+statsCurrencyChoiceMenu(Map<String, String> filter, HQ hq, Config config): Map<String, String>

+statsSiteChoiceMenu(Map<String, String> filter, Config config): Map<String, String>

Contains several menus which allows the user to set filters serving as parameters for

-transactionList: List<List<Transaction»

-reductionList: List<Transaction>

+startUp(String[] args, HQ hq, Config config, HQIO hqio): void

Holds main function and provides the functionality of user input.

choosing which transactions will survive the filtering process.

-controlMoneyBox(Config config, HQIO hqio): void

+createConfiguration(Config config): void

-fileNames: Map<String, Map<String, String»

-startDate: LocalDate-thisYear: int

-filterDate: LocalDate

-logger: Logger

+HQ(): ctor

-logger: Logger

-fh: FileHandler

+main(String[] args): void

+runStatistics(Map<String, String> filter, Config config, HQIO hqio): void

+clearHQ(): boolean

+getTransactionList(): List<List<Transaction»

+setTransactionList(List<List<Transaction» transactionList): void

+getReductionList(): List<Transaction>

+setReductionList(List<Transaction> reductionList): void

Container for filtering process and triggering statistics.

+getFileNames(): Map<String, Map<String, String»

+setFileNames(Map<String, Map<String, String» fileNames): void

+getStartDate(): LocalDate

+setStartDate(LocalDate startDate): void

+getThisYear(): int

+setThisYear(int thisYear): void

+getFilterDate(): LocalDate

+setFilterDate(LocalDate filterDate): void

-fileList = new ArrayList(): List<String>

-exchangeRateList = new ArrayList(): List<ExchangeRate>

-currencyMap = new HashMap(): Map<String, Double>

-superCurrencyMap = new HashMap(): Map<LocalDate, Map<String, Double» -exchangeRateMap = new HashMap(): Map<LocalDate, List<ExchangeRate»

-siteNames = { "North", "South", "East", "Center", "West", "ALL" }: String[]

-siteNames = { "North", "South", "East", "Center", "West", "A |-periods = { "Day", "Week", "Month" }: String[]

-siteCounter = new HashMap(): Map<String, Integer>

-BUYMARGIN = 0.0f: Float

-SELLMARGIN = 0.0f: Float

-siteTransMap: Map<String, Map<String, String»

+logger: Logger

+Config(): ctor

+Configure(HQ hq, Config config, HQIO hqio): boolean

+findTransactions(): Map<String, Map<String, String»

+findParseAndMapConfigFiles(HQIO hqio): boolean

+filterFilesOnSite(Map<String, Map<String, String» fileMap, Map<String, String» filter): Map<String, Map<String, String»

+filterFilesOnPeriod(Map<String, Map<String, String» fileMap, Map<String, String> filter, HQ hq): Map<String, Map<String, String»

affix.java.project.moneyservice::Config

+filterOnCurrency(List<Transaction> filterMe, String filter): List<Transaction>

+getFileList(): List<String>

+setFileList(List<String> fileList): void

+getExchangeRateList(): List<ExchangeRate>

+setExchangeRateList(List<ExchangeRate> exchangeRateList): void

+getCurrencyMap(): Map<String, Double>

+setCurrencyMap(Map<String, Double> currencyMap): void

+getSuperCurrencyMap(): Map<LocalDate, Map<String, Double»

+setSuperCurrencyMap(Map<LocalDate, Map<String, Double» superCurrencyMap): void

+getExchangeRateMap(): Map<LocalDate, List<ExchangeRate»

+setExchangeRateMap(Map<LocalDate, List<ExchangeRate» exchangeRateMap): void

+getSiteNames(): String[]

+setSiteNames(String[] siteNames): void

+getPeriods(): String[]

+setPeriods(String[] periods): void

+getSiteCounter(): Map<String, Integer>
+setSiteCounter(Map<String, Integer> siteCounter): void

+getBUYMARGIN(): Float

+setBUYMARGIN(Float bUYMARGIN): void

+getSELLMARGIN(): Float

+setSELLMARGIN(Float sELLMARGIN): void

+getSiteTransMap(): Map<String, Map<String, String» +setSiteTransMap(Map<String, Map<String, String» siteTransMap): void

Provides the specialized read and filter-functionalities using stream-api. Holds the major data-base components gathered from parsing.

affix.java.project.moneyservice::HQIO

-parsedSiteName: String

-parsedDate: LocalDate
-refDate: LocalDate
-refCurrency: String

-logName = "HQLog": String -logFormat = "text": String

-logger: Logger

-logLevel = "OFF": String

+HQIO(): ctor

+parseHQConfig(HQ hq, Config config): boolean +readTextFiles(String filename): List<String>

+parseProjectConfig(List<String> listToBeParsed): Map<String, Double> +parseCurrencyConfig(List<String> listToBeParsed): List<ExchangeRate>

+readReport(String filename): List<Transaction>

+getParsedSiteName(): String

+setParsedSiteName(String parsedSiteName): void +getParsedDate(): LocalDate

+setParsedDate(LocalDate parsedDate): void

+getRefDate(): LocalDate
+setRefDate(LocalDate refDate): void

+getRefCurrency(): String

+setRefCurrency(String refCurrency): void

+getLogName(): String +setLogName(String logName): void

+getLogFormat(): String
+setLogFormat(String logFormat): void

+getLogLevel(): String

+setLogLevel(String logLevel): void

+toString(): String

Provides the functionality of reading, parsing and interacting with the filesystem.

-serialVersionUID = 1L: long -id: int -timeStamp: LocalDateTime -currencyCode: String -amount: int -mode: TransactionMode -uniqueld = 0: int +Transaction(Order order): ctor +Transaction(Order order, LocalDateTime ref): ctor +getUniqueId(): int +setUniqueId(int newuniqueId): void +getId(): int +getTimeStamp(): LocalDateTime +getCurrencyCode(): String +getAmount(): int +getMode(): TransactionMode +toString(): String

affix.java.project.moneyservice::Transaction

The result of a completed Order*.

Allows for reading and storing transact

Allows for reading and storing transactions.