

WarehouseManager

- filename : String

- warehouse : Warehouse

+ save() : void

+ saveAs(filename : String) : void

+ load(filename : String) : void

+ importFile(textfile : String) : void

+ lookupPaymentByPartner(id : String) : void

+ lookupProduct Batches Under Given Price(key : String, price : double) : void

+ registerPartner(name : String, address : String) : void

+ showAllPartners() : void

+ showPartner(id : String) : void

+ showPartner Acquisitions(id : String) : void

+ showPartner Sales(id : String) : void

+ toggle Product Notifications(id : String, key : String) : void

+ advanceDate() : void

+ displayDate() : void

+ show Global Balance() : void

+ show All Products() : void

+ show Available Batches() : void

+ show Batches By Partner(id : String) : void

+ show Batches By Product(key : String) : void

+ receive Payment(id : String) : void

+ register Acquisition Transaction(id : String, key : String, price : double, amount : int) : void

+ register Breakdown Transaction(id : String, key : String, amount : int) : void

+ register Sale Transaction(id : String, key : String, price : double, amount : int) : void

+ showTransaction(id : String) : void

+ sendNotifications(type : String, product : Product) : void

Transactions

- id : int
 - date : int
 - product : Product
 - quantity : int
 - pricePerItem : double
 - type : String
 - paid : boolean
 - partner : Partner
- + checkPaid() : boolean
- + paySell() : void

Buy

Sell

- limitDate : int
- paid : boolean

Dismantle

- originatedBatches : List < Batch >
- + addBatch (batch : Batch) : void

Warehouse

- products : List < Product >
- partners : List < Partner >
- date : int

- + addProduct (product : Product) : void
- + addPartner (partner : Partner) : void
- + advanceDate () : void
- + checkProductExistence (product : Product) : boolean
- + product (key : String) : Product
- + partner (id : String) : Partner
- + sendNotifications (type : String , product : Product) : void

Product

- Key : String
- recipe : Map < Product, Integer >
- highestPrice : double
- batches : List < Batch >

- + showBatches () : void
- + lowestPrice () : int
- + totalQuantity () : int
- + removeBatch (i : int) : void

Batch

- product : Product
- provider : Partner
- quantity : int
- pricePerItem : double

- + reduceQuantity (amount : int) : void

Partner

- notifications : Notifications
- id : String
- name : String
- address : String
- points : int
- batches : List < Batch >
- transactions : List < Transactions >

- + showTransactions() : void
- + showNotifications() : void
- + showBuys() : void
- + showSells() : void

Notifications

- states : Map < Product, boolean >
- notifications : List < Notification >
- + toggle (product : Product) : void
- + addNotifications (notification : Notification) : void
- + clear() : void
- + showAll() : void

Notification

- type : String
- product-id : String
- price : int

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Guilherme Gago

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