



Import FileException

- <<final>> serialVersion UID : long = 201708301010L

Unavailable FileException

- <<final>> serialVersion UID : long = 202009192006L

- _filename : String

+ getFilename() : String

Missing File AssociationException

- <<final>> serialVersion UID : long = 201708301010L

BadEntryException

- <<final>> serialVersion UID : long = 201409301048

- _entrySpecification : String

+ getEntrySpecification() : String

<<abstract>> Product

- _key : String
- _supplier : Supplier
- _price : int
- _criticalValue : int
- _stock : int

+ changePrice(value : int) : void
+ registerProduct() : void

<<abstract>> StuffKeeper

- _volume : int
- _serviceLevel : String
- _content : Product[]

+ addItem(item : Product) : void

Container

- _serviceType : String

Notifications

- _enabled : boolean
- _deliveryMethod : String
- _product : Product

+ new() : String
+ bargain() : String
+ enable() : void
+ disable() : void

Supplier

- _key : String
- _name : String
- _address : String
- _enabledTransactions : boolean
- _transactions : List<Transactions>

+ getTransactions : List<Transactions>
+ enableTransactions() : void

Book

- _title : String
- _author : String
- _isbn : String

Company

- _balance : int
- _transactions : <Transactions>

+ order(supplier : Supplier, product : Product) : Order
+ increaseBalance(value : int) : void
+ decreaseBalance(value : int) : void

Client

- _key : String
- _name : String
- _address : String
- _points : int
- _notifications : List<Notifications>
- _transactions : List<Transactions>

+ enableNotifications(p : Product) : void
+ getTransactions() : List<Transactions>

<<abstract>> Transactions

- _id : int = 0

+ incrementID() : void

Order

- _supplier : Supplier
- _content : List<Product>
- _total : int

+ addToOrder(product : Product) : void

Sale

- _dateStart : int
- _dateLimit : int
- _product : Product
- _quantity : int

+ pay(client : Client) : void

Store

- <<final>> serialVersionUID: long = 202009192006L

- clients : <Client>

- products : <Product>

importFile (textFile: String) : void

+ viewProduct (key: String) : Product

+ registerNewProduct (key: String, price: int, criticalValue: int, supplierKey: String, serviceType: String) : void

+ changePrice (product: Product, price: int) : void

+ viewClient (key: String) : Client

+ viewClients () : <Client>

+ registerNewClient (key: String, name: String, address: String) : void

+ enableNotifications (client: Client, product: Product) : void

+ getTransactions (client: Client) : <Transactions>

+ viewSupplier (key: String) : Supplier

+ registerNewSupplier (key: String, name: String, address: String) : void

+ enableSupplier (supplier: Supplier) : void

+ getTransactions (supplier: Supplier) : <Transactions>

+ viewTransaction (id: int) : Transactions

+ registerSale (clientKey: String, dateLimit: int, productKey: String, quantity: int) : void

+ registerOrder (supplierKey: String, productKey: String, quantity: int) : void

+ payTransaction (id: int) : void

StoreFront

- filename : String = ""

- store : Store = new Store()

+ save() : void

+ saveAs (filename: String) : void

+ load (filename: String) : void

+ importFile (textFile: String) : void

+ viewProduct (key: String) : void

+ registerNewProduct (key: String, price: int, criticalValue: int, supplierKey: String, serviceType: String) : void

+ changePrice (productKey: String, price: int) : void

+ viewClient (key: String) : void

+ viewClients () : void

+ registerNewClient (key: String, name: String, address: String) : void

+ enableNotifications (clientKey: String, productKey: String) : void

+ getClientTransactions (clientKey: String) : void

+ viewSupplier (key: String) : void

+ registerNewSupplier (key: String, name: String, address: String) : void

+ enableSupplier (supplierKey: String) : void

+ getSupplierTransactions (supplierKey: String) : void

+ viewTransaction (id: int) : void

+ registerSale (clientKey: String, dateLimit: int, productKey: String, quantity: int) : void

+ registerOrder (supplierKey: String, productKey: String, quantity: int) : void

+ payTransaction (id: int) : void

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

Mara Gomes Alves

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Margarida Rodrigues