

Product

- Key: String
- Supplier: String
- Price: int
- ValorUnitario: int
- Stock: int

Box

- mixedService: Services

Containers

- qualidadeService: Qualidade

Client

- Key: String
- Name: String
- address: String
- Points: int
- Notifications: boolean

Book

- Titulo: String
- Autor: String
- ISBN: String

<<enumeration>>
Description
NEW
BARGAIN

<<enumeration>>
Services
Normal
Assoc
Expresso
Mad

Suppliers

- Key: String
- Name: String
- address: String
- Activity: boolean = true

<<enumeration>>
Qualidade
B4
C4
C5
DL

Transactions

- Key: int
- Data: int

Emenda

- Supplier: String
- Custo: int
- Produto: List<Product>
- Quantidade: int

~~Order~~

- Date: int
- Key: int
- KeyProduct: int
- KeySupplier: int
- KeyTransaction: int

<<enumeration>>
Tipo
Curso postal
SMS
Email

Storefront

Store

Notifications

- KeyProd: String
- Description: Description
- Delivery: Tipo

Venda

- KeyClient: String
- KeyProd: int
- Quantidade: int

BadEntryException

- EntrySpecification: String
- + BadEntryException (entrySpecification: String)
- + BadEntryException (entrySpecification, Exception cause)
- + getEntrySpecification(): String

ImportFileException

- + ImportFileException()
- + ImportFileException (description: String)
- + ImportFileException (cause: Exception)

MissingFileAssociationException

UnavailableFileException

- + UnavailableFileException (filename: String)
- + getFilename(): String

Storefront

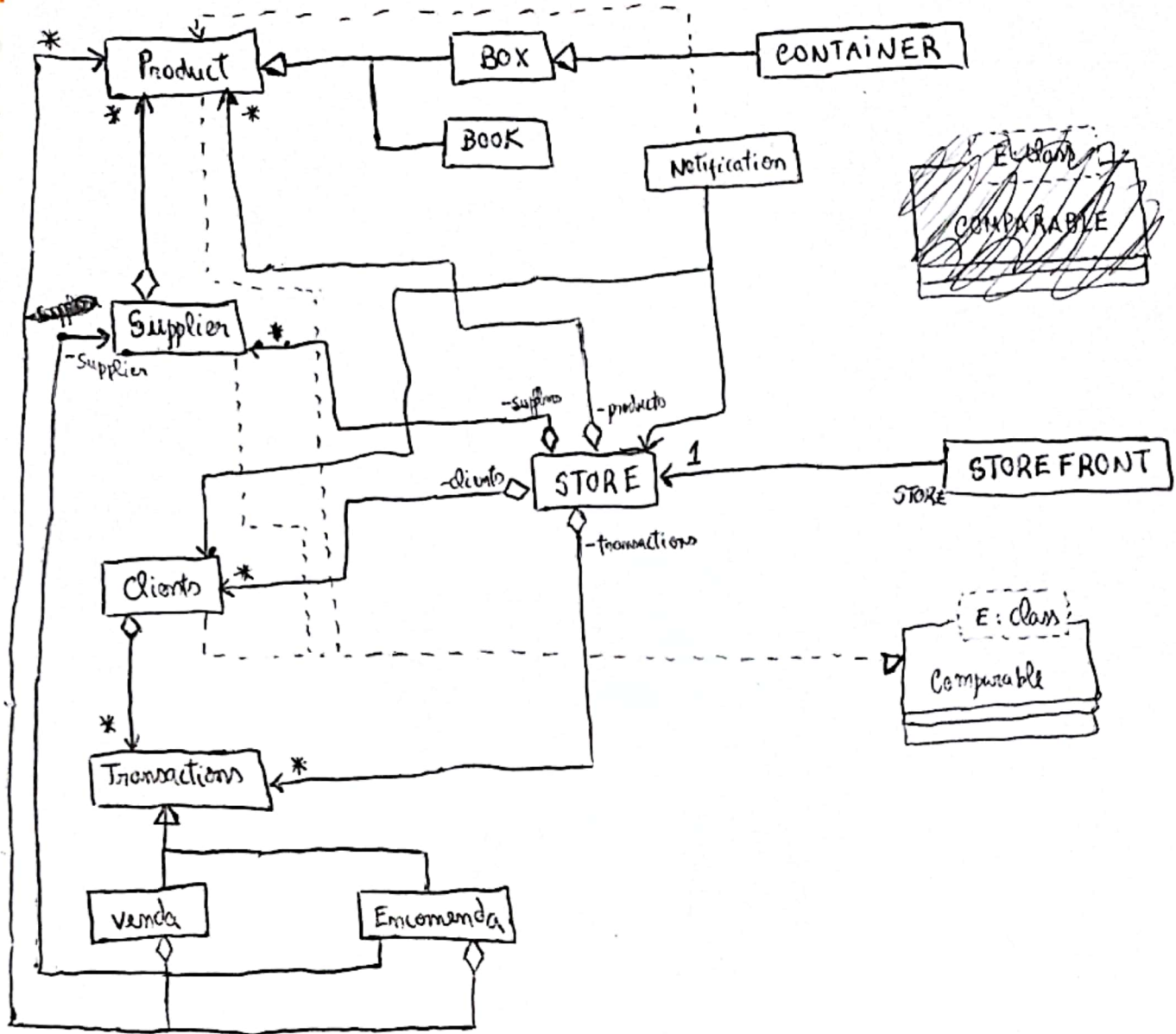
- filename: String = ""
- store: Store
- + Storefront (store: Store): void
- + Save(): void
- + SaveAs (filename: String): void
- + Load (filename: String): void
- + ImportFile (testfile: String): void
- + ExchangePrice (Key-prod: String, preco: int): void
- + RegisterProductBox (Key-prod: String, Key-supp: String, preco: int, valor-critico: int, titulo: String, autor: String, nivel-servicos: servicos): void
- + RegisterProductBook (Key-prod: String, Key-supp: String, preco: int, valor-critico: int, titulo: String, autor: String, ISBN: String): void
- + RegisterProductContainer (Key-prod: String, Key-supp: String, preco: int, valor-critico: int, nivel-servicos: servicos, qualidade-servicos: qualidade): void
- + ShowAllProducts(): String
- + RegisterClient (Key-client: String, nome: String, morada: String): void
- + ShowAllClients(): String
- + ShowClient (Key-client: String): String
- + ShowClientTransactions (Key-client: String): String
- + ToggleProductNotifications (Key-client: String, Key-prod: String): void
- + RegisterSupplier (Key-supp: String, nome: String, morada: String): void
- + ShowSuppliers(): String
- + ShowSupplierTransactions (Key-supp: String): String
- + ToggleTransactions (Key-supp: String): void
- + Pay (Key-transaction: int): void
- + RegisterOrderTransaction (Key-supp: String, Key-prod: String, quantidade: int): void
- + RegisterSaleTransaction (Key-client: String, data-lem: int, Key-prod: String, quantidade: int): void
- + ShowTransaction (Key-transaction: int): String
- + AdvanceDate (dias: int): void
- + DisplayDate(): String
- + Open (filename: String): void
- + OpenMenuClients(): void
- + OpenMenuLookups(): void
- + OpenMenuProducts(): void
- + OpenMenuSuppliers(): void

- + OpenNewTransaction(): void
- + ShowGlobalBalance(): int
- + LookupPaymentsByClient (Key=client: String): String
- + LookupProductsUnderTopPrice (lim: int): String

store

- product : Product
- client : Client
- suppliers : Supplier
- transactions : Transaction
- + store () : void
- + save () : void
- + search (filename : string) : void
- + load (filename : string) : void
- + importFile (textFile : string) : void
- + exchangePrice (key-prod : string, price : int) : void
- + registerProductBox (key-prod : string, key-supp : string, price : int, valor-critico : int, nivel-servicos : services) : void
- + registerProductBook (key-prod : string, key-supp : string, price : int, valor-critico : int, titulo : string, autor : string, ISBN : string) : void
- + registerProductContainer (key-prod : string, key-supp : string, price : int, valor-critico : int, nivel-servicos : services, quantidade-servico : quantidade) : void
- + showAllProducts () : string
- + registerClient (key-client : string, nome : string, morada : string) : void
- + showAllClients () : string
- + showClientTransactions (key-client : string) : string
- + toggleProductNotifications (key-client : string, key-prod : string) : void
- + registerSupplier (key-supp : string, nome : string, morada : string) : void
- + showSupplierTransactions (key-supp : string) : string
- + toggleTransactions (key-supp : string) : void
- + pay (key-transaction : int) : void
- + registerOrderTransaction (key-supp : string, key-prod : string, quantidade : int) : void
- + registerSaleTransaction (key-client : string, data-lim : int, key-prod : string, quantidade : int) : void
- + showTransaction (key-transaction : int) : string
- + advanceDate (dias : int) : void
- + displayBills () : string
- + login (filename : string) : void
- + loginNewClients () : void
- + loginNewLeakers () : void

- + OpenMenuProducts(): void
- + OpenMenuSuppliers(): void
- + OpenMenuTransactions(): void
- + ShowGlobalBalance(): int
- + LookupPaymentsByClient(KeyClient: String): String
- + LookupProductsUnderTopPrice(Lim: int): String



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

Rodrigo de Melo Pinto

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Eduardo Moreira Miranda