

## StoreFront

- filename : String

+ open (textfile : String) : void  
 + save () : void  
 + save As (filename : String) : void  
 + load (filename : String) : void  
 + import File (textfile : String) : void  
 + advance Time (time : int) : void  
 + pay (transaction key : int) : void  
 + register Client (client Name : String, client Address : String) : void  
 + show Client (client key : String) : String  
 + show All clients () : String  
 + show Client Transactions (client key : String) : String  
 + toggle Notifications (client key : String, product key : String) : void  
 + show All products () : String  
 + register Box (product key : String, price : int, critical : int, supplier key : String, service : String) : void  
 + register Container (product key : String, price : int, critical : int, supplier keys : String, service : String, quality : String) : void  
 + change Price (product keys : String, new Price : int) : void  
 + show Suppliers () : String  
 + register Supplier (supplier key : String, name : String, address : String) : void  
 + toggle Transactions (supplier key : String) : void  
 + show Supplier Transactions (supplier key : String) : String  
 + register Order (supplier key : String) : void  
 + register Sale (client key : String, time : int, product key : String, amount : int) : void  
 + show Transaction (transaction key : int) : String  
 + lookup Payments (client key : String) : String  
 + lookup lower Prices (price limit : int) : String  
 + show Balance () : String

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<< interface >> << abstract >> Serializable

## Store

- serialVersion UID: long = 202009192006L

- time: int

+ importFile (txtfile: String): void

+ advanceTime (time: int): void

+ pay (transactionKey: int): void

+ registerClient (clientName: String, clientAddress: String): void

+ showClient (clientKey: String): String

+ showAllClients (): String

+ showClientTransactions (clientKey: String, ~~productKey~~: String): String

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

+ showAllProducts (): String

+ registerBox (productKey: String, price: int, critical: int, supplierKey: String, service: String): void

+ registerContainer (productKey: String, price: int, critical: int, supplierKey: String, service: String, ~~product~~ quality: String): void

+ registerBook (title: String, ~~newPrice~~ author: String, ISBN: String, price: int, critical: int, supplierKey: String): void

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

+ showSuppliers (): String

+ registerSupplier (supplierKey: String, name: String, address: String): void

+ toggleTransactions (supplierKey: String): void

+ showSupplierTransactions (supplierKey: String): String

+ registerOrder (supplierKey: String): void

+ registerSale (clientKey: String, time: int, productKey: String, amount: int): void

+ showTransaction (transactionKey: int): String

+ lookupPayments (clientKey: String): String

+ lookupLowerPrices (priceLimit: int): String

+ showBalance (): String

### BadEntryException

- serialVersion UID: long = 201409301048L

- entrySpecification: String

### MissingFileAssociationException

- serialVersion UID: long = 201708301010L

### UnavailableFileException

- serialVersion UID: long = 202009192006L

- filename: String

### ImportFileException

- serialVersion UID: long = 201708301010L

woos.exceptions

### Supplier

- <<final>> - key : String  
 - \_ name : String  
 - \_ address : String  
 - \_ trades : boolean

+ addProd (prod : Product) : void  
 + add Transaction (order : Order) : void  
 + showAll Transactions () : String

### <<abstract>> Transaction

- <<final>> - key : int  
 - \_ cont : int  
 - \_ amounts : int[]

+ addProd (prod : Product) : void  
 + add Amount (prod : Product) : void

### Order

### Sale

- \_ timeLimit : int

### Notification

- \_ description : String  
 - \_ productKey : String

### Client

- <<final>> - key : String  
 - \_ name : String  
 - \_ address : String  
 - \_ status : String  
 - \_ points : int  
 - \_ notification : boolean

+ add Transaction (sale : Sale) : void  
 + show All Transactions () : String  
 + pay (transactionKey : int) : void  
 + toggle Notification () : void

### <<abstract>> Product

- <<final>> - key : String  
 - \_ price : int  
 - \_ critical Value : int  
 - \_ stock : int

+ add Stock (stock : int) : void  
 + raise Price (price : int) : void

### Box

- \_ serviceLevel : String  
 + raise Service () : void  
 + lower Service () : void

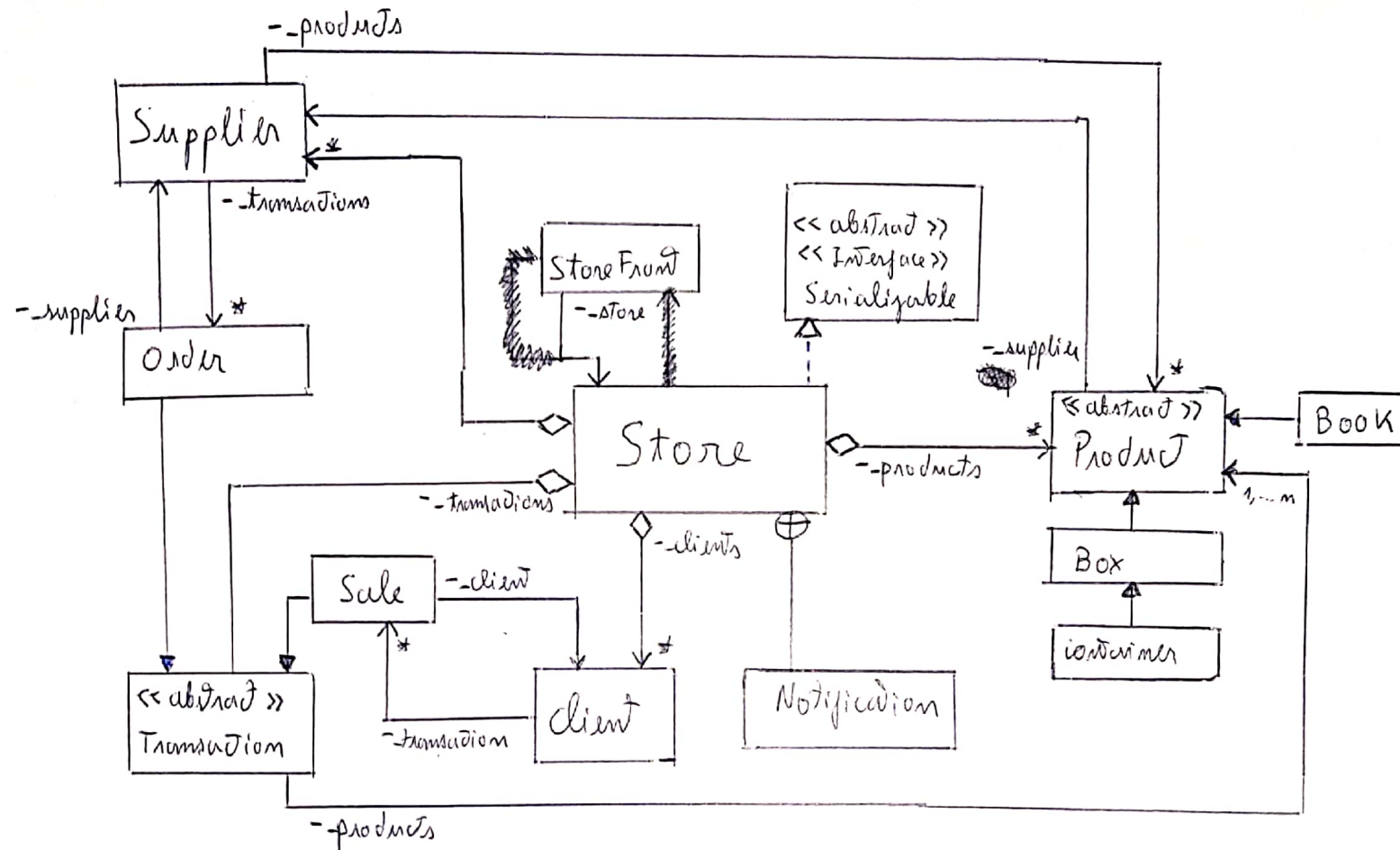
### Container

- \_ service Quality : String

### Book

- \_ title : String  
 - \_ author : String  
 - \_ ISBN : String

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BadEntryException

InputFileException

MissingFileAssociationException

UnavailableFileException

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

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