

Warehouse

- `_fileName: String`
- `_manager: WarehouseManager`
- + `importFile(fileName: String): void`
- + `load(fileName: String): void`
- + `saveAs(fileName: String): void`
- + `save(): void`

NotificationCenter

- `_users: Partner[]`
- `_product: Product`
- + `notify(): void`

Date

- `_days: int`
- + `advance(days days: int): void`
- + `difference(otherDate: Date): int`

Product

- `_id: String`
- ~~is a subclass of Product~~
- `_notification: NotificationCenter`

Composed Product

- `_recipe: Map<int, Product>`
- `_alpha: double`
- + `calculateCost(): double`

Batch

- `_supplier: Partner`
- `_nOfProducts: int`
- `_price: double`
- `_product: Product`
- + `hasStock(): void boolean`
- + `isCheapest(Batch[] list): boolean`
- + `notify(): void`

<<int>> `cost`
Notification

- `_productId: String`
- `_description: String`

Buy

- `_paidValue: double`

~~is a subclass of Buy~~

Breakdown

- `calculateCost(): double`

Partun

- _name: String
- _address: String
- _status: Status
- _transactions: Transaction[]
- _notifications: Notification[]
- _score: int
- _preferred Notification: String

- + clean Notifications(): void
- + receive Notifications(): void
- + calculate Price(): double

<<abstract>> Status

- + calculate P1(v: double): double
- + calculate P2(v: double): double
- + calculate P3(v: double): double
- + calculate P4(v: double): double

<<interface>> Transaction

- _id: ~~String~~ int
- _limitDate: Date
- _partun: Partun
- _product: Product
- _quantity
- + pay(): void

Sale

- _paid: boolean
- _base Value: double
- _paid Value: double
- _payment Date: Date
- + make Composed(): void
- + close Sale(): void
- + pay(): void

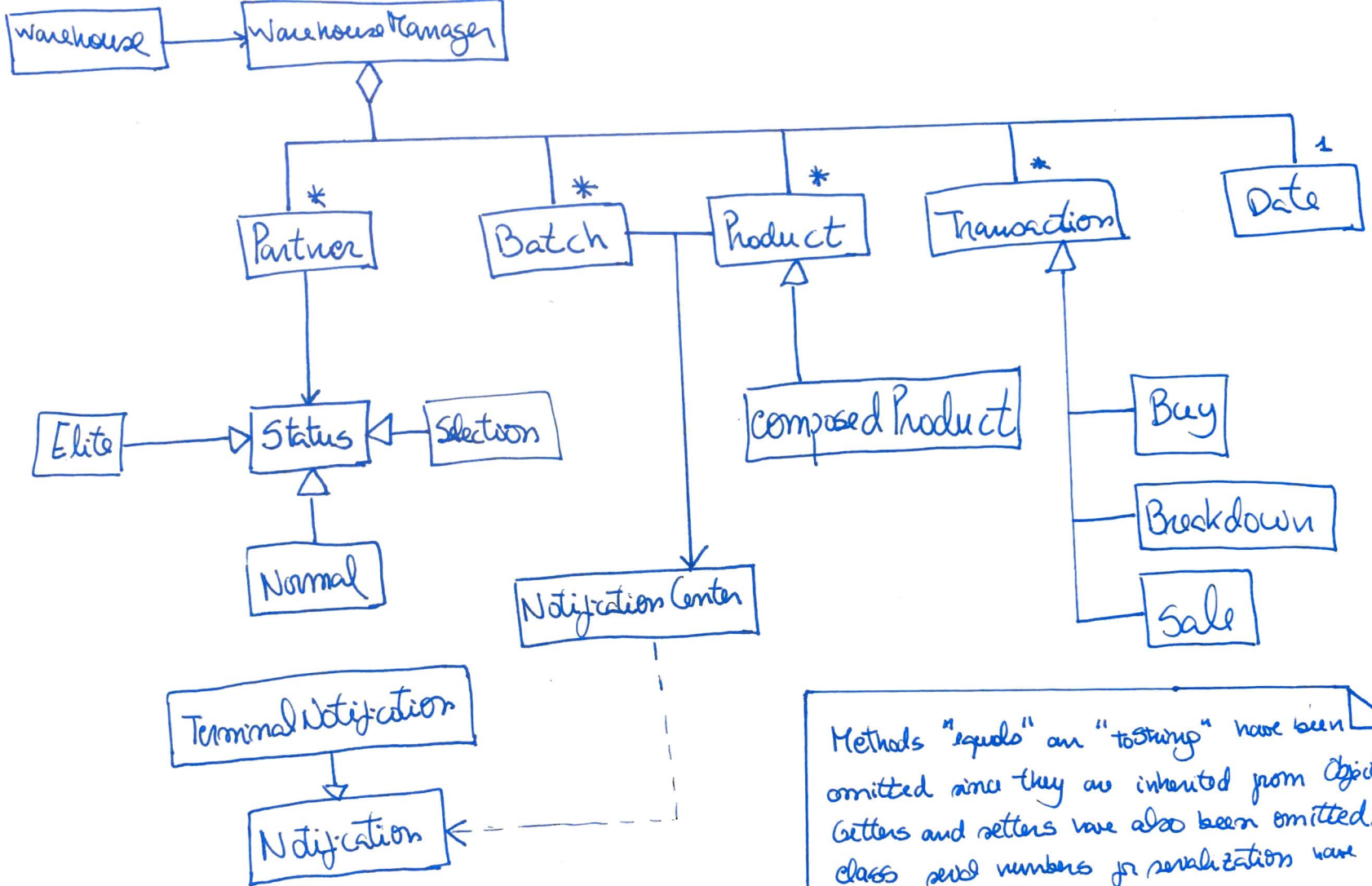
Missing File Association Exception

Import File Exception

Bad Entry Exception

Unavailable File Exception

gcc.core.exceptions



Methods "equals" and "toString" have been omitted since they are inherited from **Object**. Getters and setters have also been omitted. Class serial numbers for serialization have also been omitted.

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

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