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grupo 2

L02

Warehouse Manager

- + restoreFromFile(): void
- + saveToFile(): void
- + showCurrentDate(): void
- + openProductManagerMenu(): void
- + openPartnerManagerMenu(): void
- + openTransactionManagerMenu(): void
- + openSearchMenu(): void
- + showGlobalBalance(): void
- + showAllProducts(): void
- + showAllBatches(): void
- + showBatchesSuppliedByPartner(): void
- + showBatchesOfProduct(): void
- + showPartner(): void
- + showAllPartners(): void
- + registerPartner(): void
- + toggleNotifications(): void
- + showPartnerPurchases(): void
- + showPartnerSales(): void
- + showTransaction(): void
- + registerDisaggregation(): void
- + registerSale(): void
- + registerPurchase(): void
- + registerSalePayment(): void
- + showBatchesWithLowerProductPrice(): void
- + showPartnerPaidTransactions(): void
- + forwardTime(): void

Warehouse

- _accountingBalance: float
- _availableBalance: float

- + addBatch (product: Product, supplier: Partner, price: float, quantity: int): void
- + removeBatch (batch: Batch): void
- + addProduct (product: Product): void
- + removeProduct (product: Product): void
- + addTransaction (transaction: Transaction): void
- + addPartner (partner: Partner): void
- + hasStock (product: Product): boolean
- + aggregate (product: Derivate): boolean
- + disaggregate (partner: Partner, product: Derivate, quantity: int): void
- + buy (partner: Partner, product: Product, price: float, quantity: int): void
- + sell (partner: Partner, date: Time, product: Product, quantity: int): boolean
- + sendNotification (notification: Notification): void
- + forwardTime (increment: int): void

| Batch |
|-----------------------------------|
| - quantity: int |
| - price: float |
| + isEmpty(): boolean |
| + addUnit(units: int): boolean |
| + removeUnit(units: int): boolean |

| Recipe |
|-------------------|
| - quantity: int[] |

| Product |
|----------------|
| - name: String |

| Simple |
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| |

| Derivate |
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| |
| |

| Pontuation |
|-----------------------------------|
| - points: int |
| + addPoints(points: int): void |
| + removePoints(points: int): void |

| Transaction |
|-----------------|
| - id: int |
| - type: String |
| - quantity: int |

| Purchase |
|----------------|
| - price: float |

| Sale |
|-------------------------------------|
| - basePrice: float |
| - effectivePrice: float |
| + recalculateEffectivePrice(): void |
| + hasBeenPaid(): void |
| + applyExtras(): void |

| Disaggregation |
|-----------------------------------|
| - basePrice: float |
| - effectivePrice: float |
| - resultingProductPrices: float[] |

| Time |
|-------------------------------|
| - date: int |
| + forwardTime(increment: int) |

| Notification |
|-----------------------|
| - description: String |

Partner

- _name: String
- _address: String

- + payTale (tale: Tale): void
- + turnOnNotifications (product: Product): void
- + turnOffNotifications (product: Product): void
- + clearNotifications(): void
- + addNotification (notification: Notification): void
- + updateStatus(): void

