

## warehouse

- <<final>> serialVersion(UID): long = 202109192006L
- \_realBalance: int = 0
- \_accountingBalance: int = 0
- \_stock: Collection<Sector>
- \_transactionHistory: Collection<Transaction>
- \_partners: Collection<Partner>

- + findProduct(productName: String): Product
- + findPaymentsByPartner(partner: Partner)
- + findProductBatchesUnderGivenPrice(price: float)
- + advanceDate(): void
- + displayDate(): void
- + registerPartner(): Partner
- + newTransaction(): Transaction

## Date

- \_date: int = 0

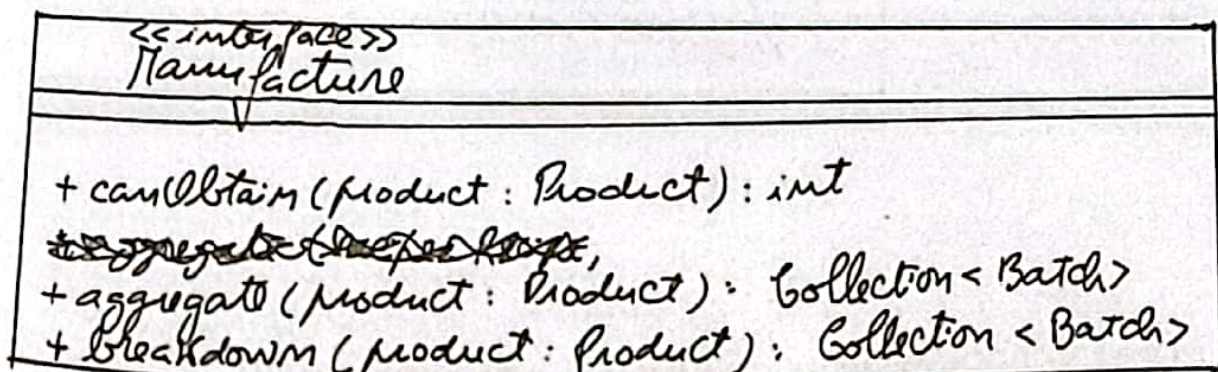
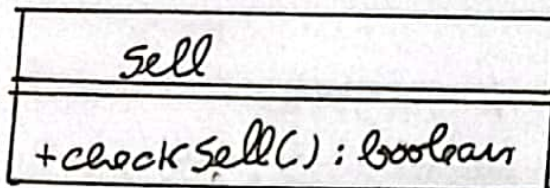
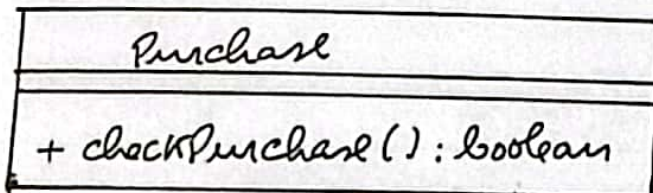
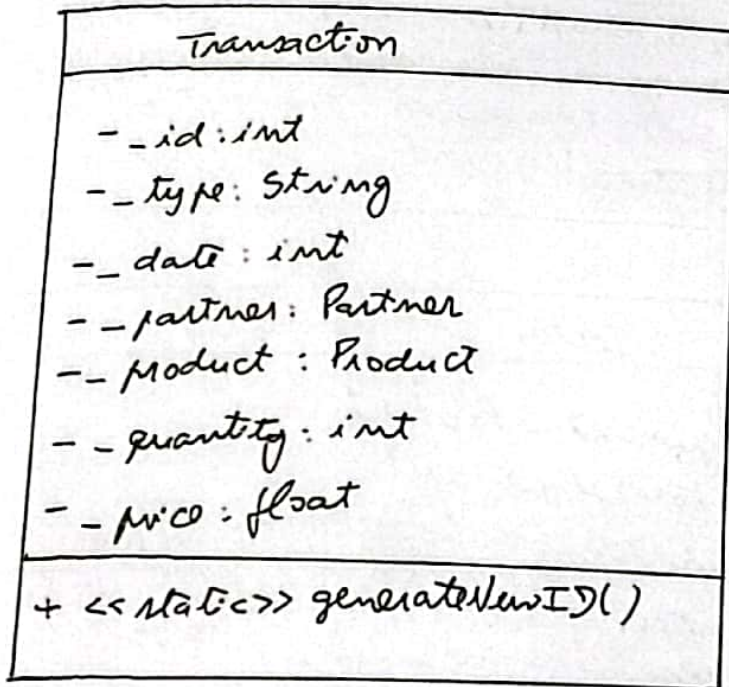
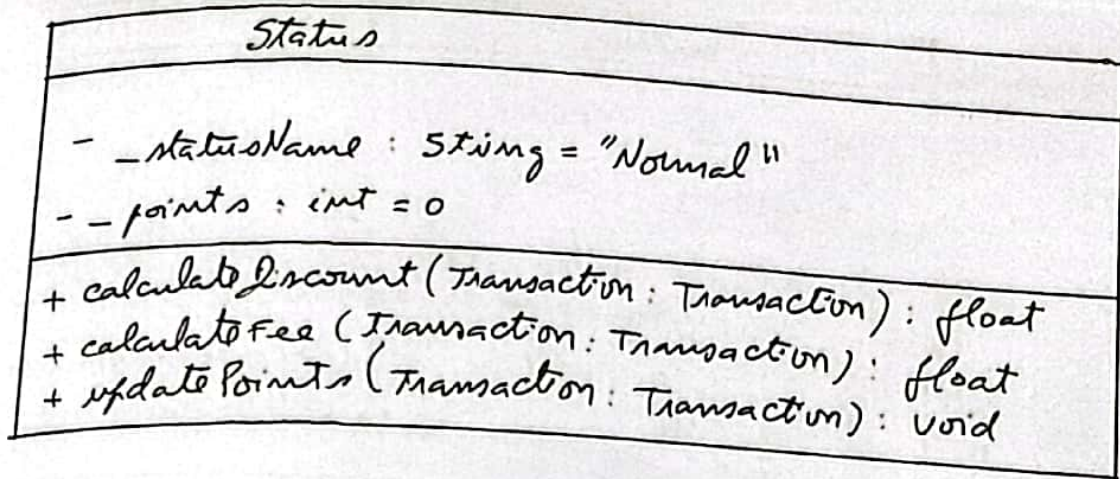
- + incrementDate(increment: int): void

## Notification

- \_product: Product
- \_text: String = ""
- \_subscribedNotifications: Collection<String>

- + subscribeTeam(newTeam: String): void
- + unsubscribeTeam(oldTeam: String): void







## Partner

- \_name : String
- \_address : String
- \_status : Status
- \_onGoingPayments : Collection < Transaction >
- \_transactionHistory : Collection < Transaction >
- \_stock : Collection < Sector >

- + registerPurchase(transaction : Transaction) : void
- + registerPayment(transaction : Transaction) : void
- + registerSelf(transaction : Transaction) : void
- + updateStatus() : void

## Sector

- \_product : Product
- \_totalStock : int
- \_batches : Collection < Batch >

- + storeBatch(batch : Batch) : void
- + searchCheapestBatch() : Batch
- + removeBatch(batch : Batch) : void

## Batch

- \_product : Product
- \_remainingUnits : int
- \_priceUnit : ~~int~~ float

- + updateBatch(quantity : int) : void
- + isEmptyBatch() : boolean

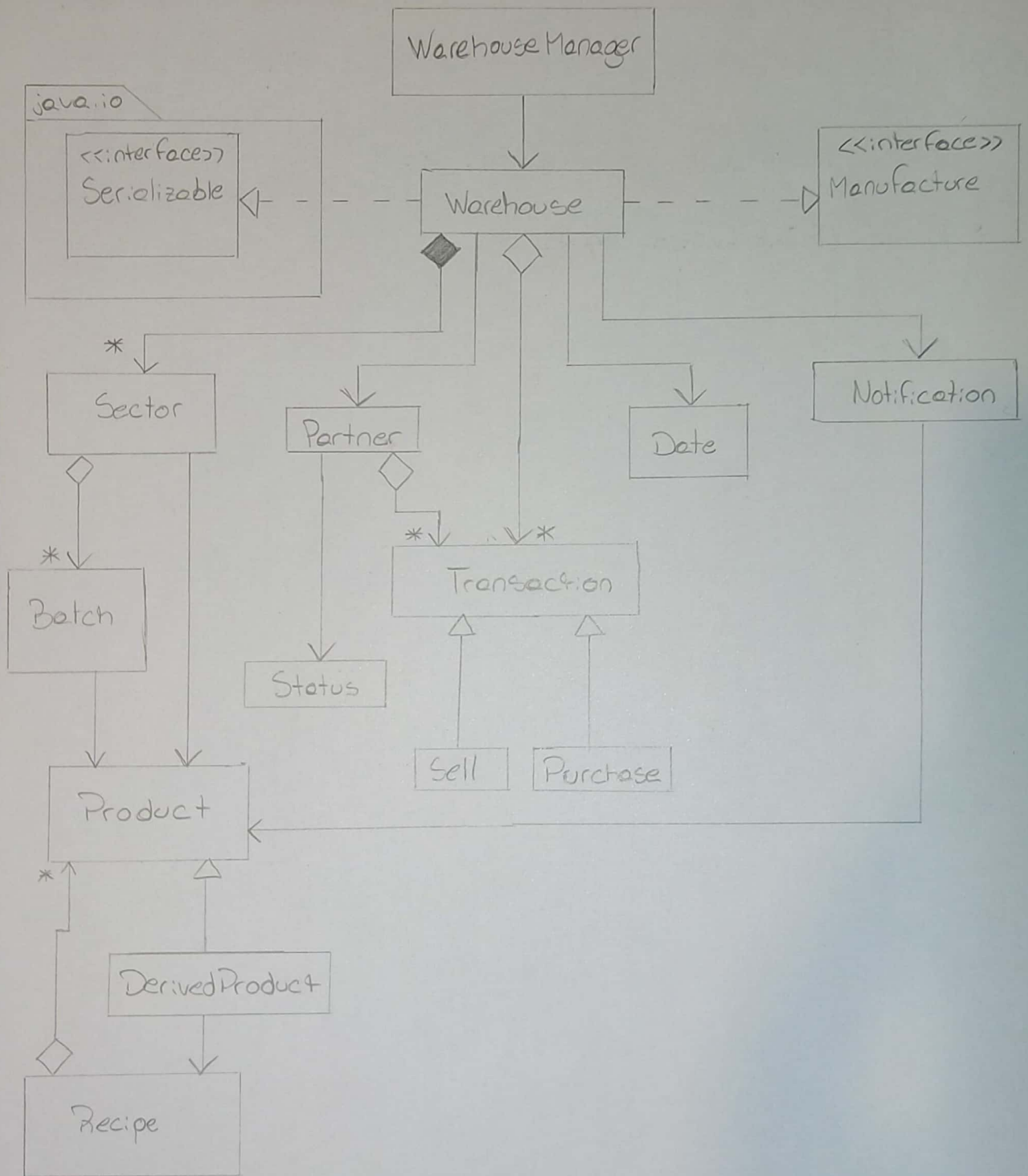
Product
- name: String

DerivedProduct
- recipe #: Recipe

Recipe
- ingredients: Map<Product: String, quantity: int>
- multiplier: float

WarehouseManager
- filename: String = ""
- warehouse: Warehouse = new Warehouse()
+ save(): void
+ saveAs(filename: String): void
+ load(filename: String): void
+ importFile(textfile: String): void





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

João Henriques Sereno, 99249

~~Re A.~~ (Bruno Campos, 99187)