

Presentation
Layer

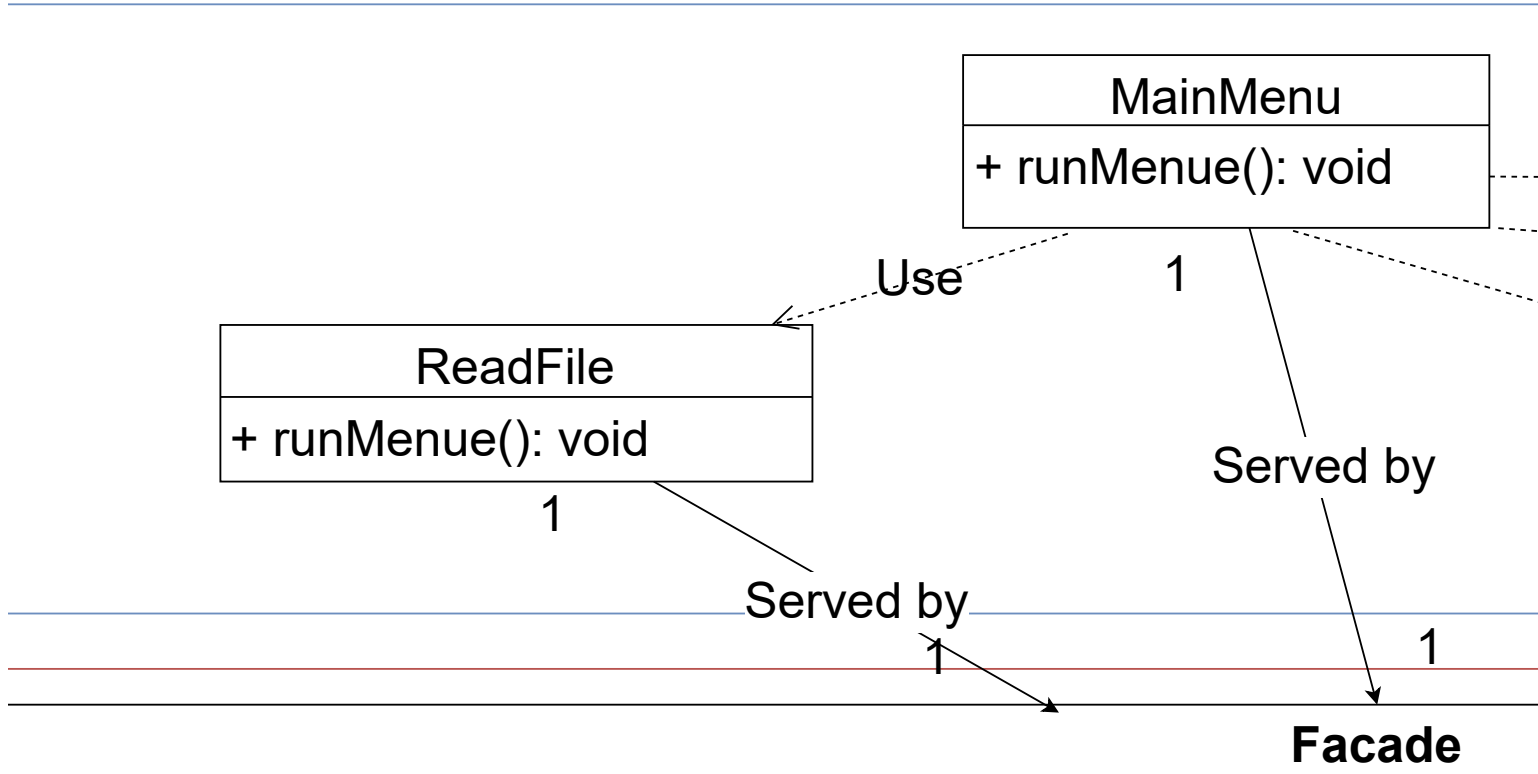
Domain
Layer

+ curr

+sear
+sear
+sear
+addl
+addf
+remo
+remo
+repo
+repo
+repo
+upda
+upda
+mov
+mov
+chec
+mov
+chec
+chec
+inve
+inve

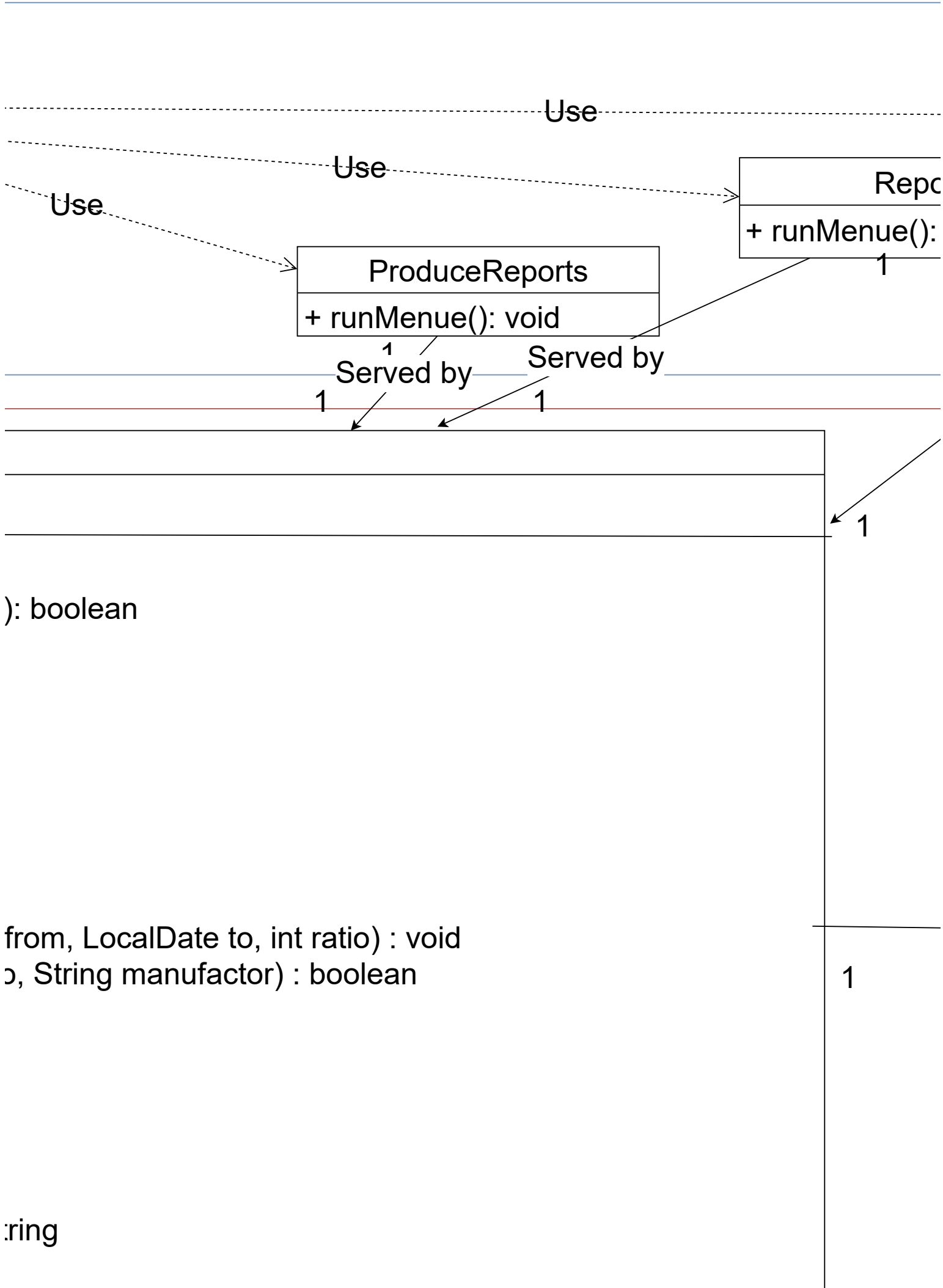
pass request to

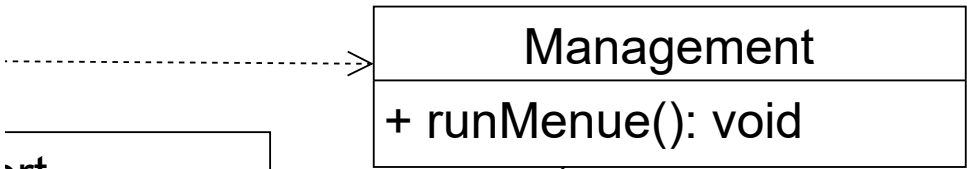
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entDate LocalDate

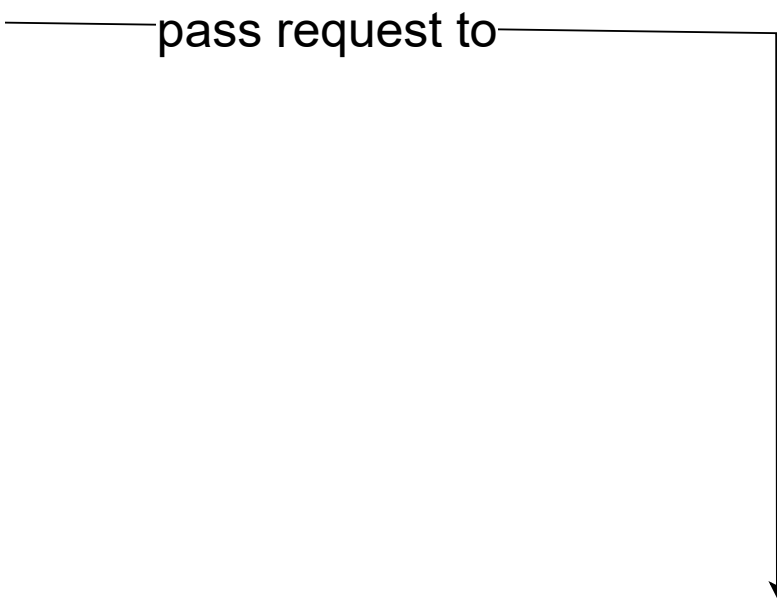
chProdByCatNumService(int catNum): boolean
chProdByCategoryService(String mainCat, String subCat, String size)
chItemService(int id) : boolean
temService(Json newItem) : void
ProductService(Json newProd) : void
oveProductService(int catalogNum) : void
oveSellItemService(int idToRemove) : void
rtDamageService(int idToReport) : void
rtExpService(int idToReport) : void
rtForSellService(int idToReport) : void
ateSaleService(String mainCat, String subCat, String size, LocalDate
ateDiscountService(String mainCat, String subCat, String size, int ratio
eToWareService(int id, Tuple<String, Integer> newPlace) : void
eToStoreService(int id, Tuple<String, Integer> newPlace) : void
ckMinimalAmountService(int id) : boolean
eToNextDay() : void
ckAllItemsExpService(): void
ckAllProductSaleService(): void
ntReportByCatService(String mainCat, String subCat, String size) : St
ntReportAllService() : String





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Served by

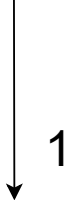




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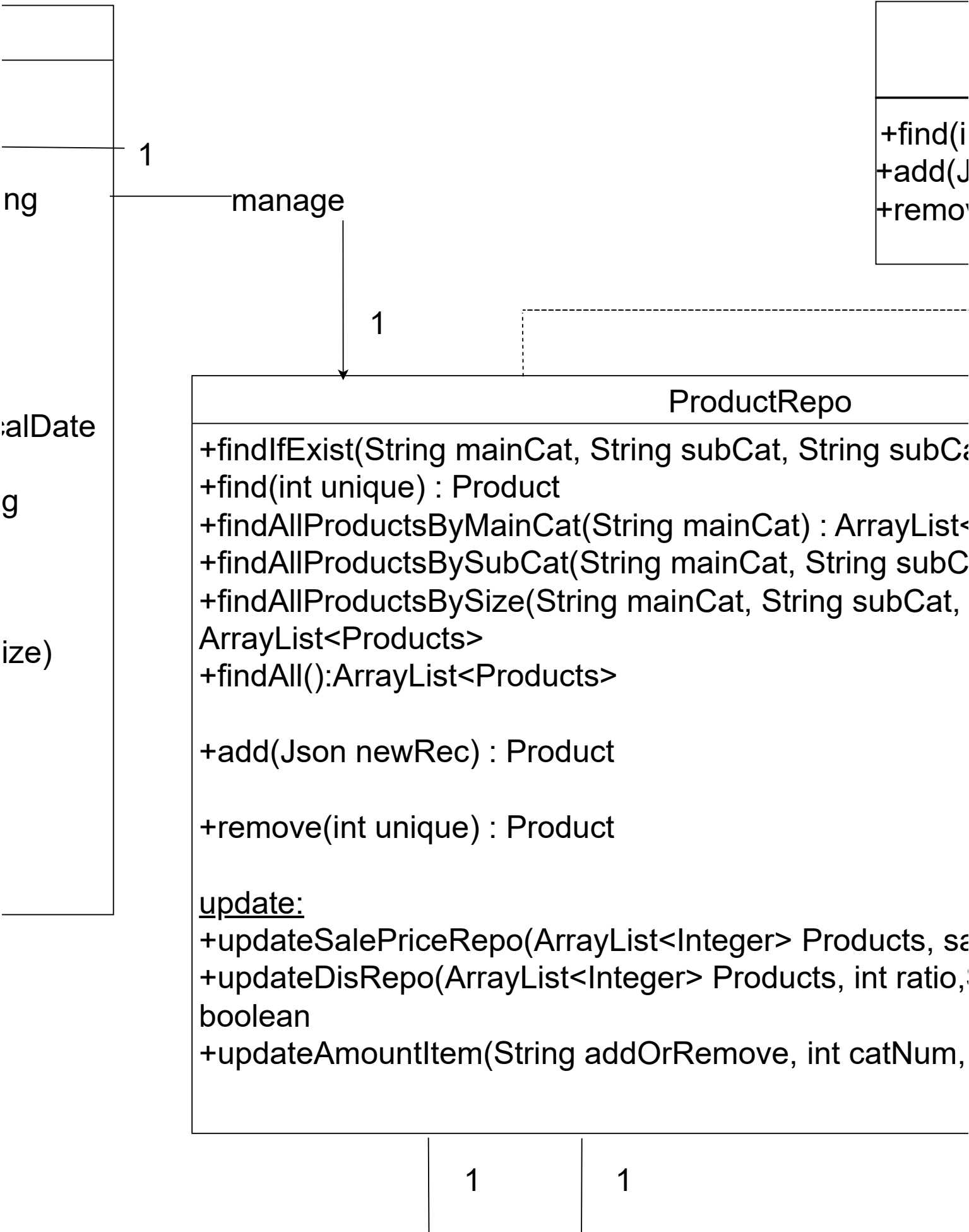
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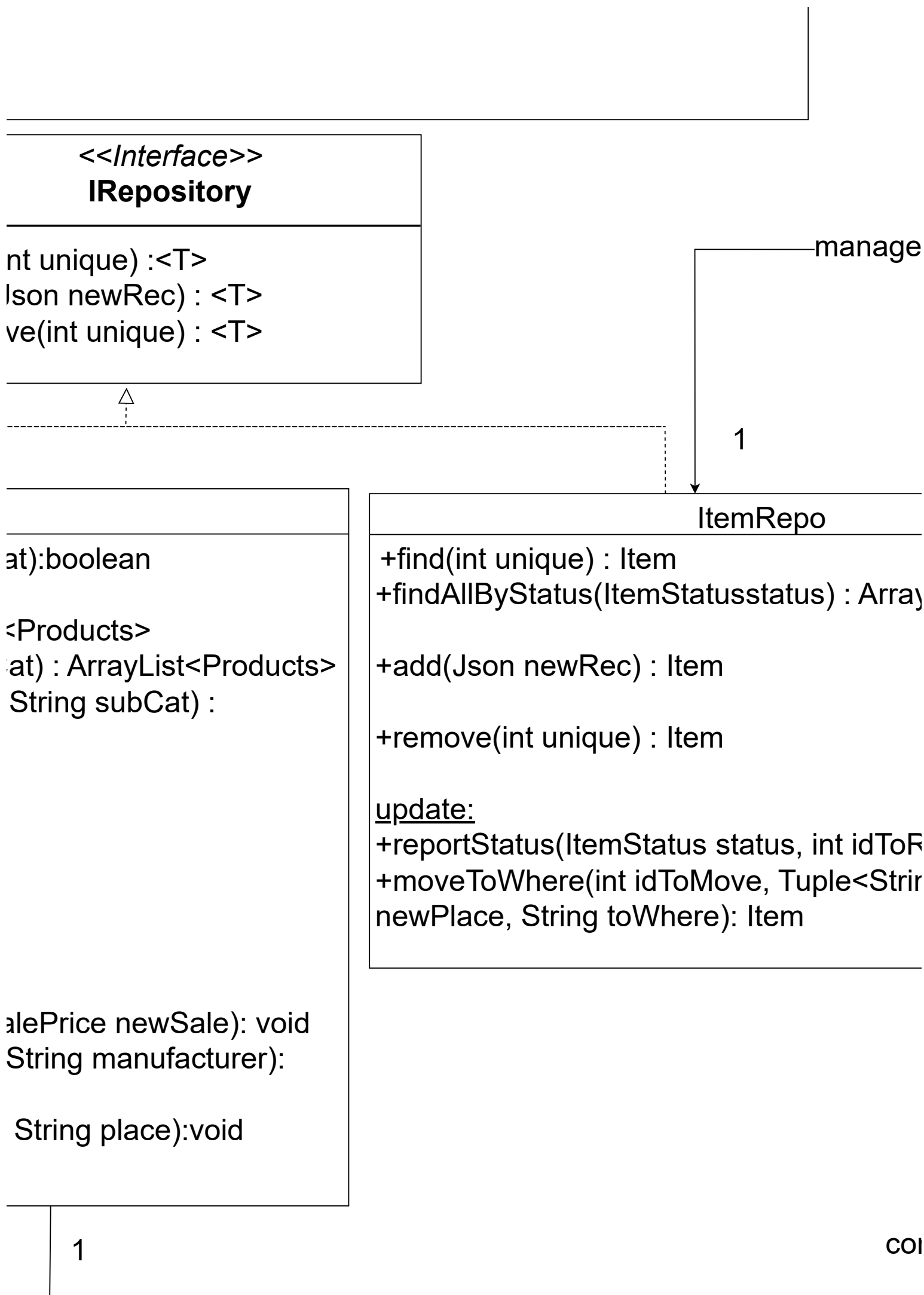
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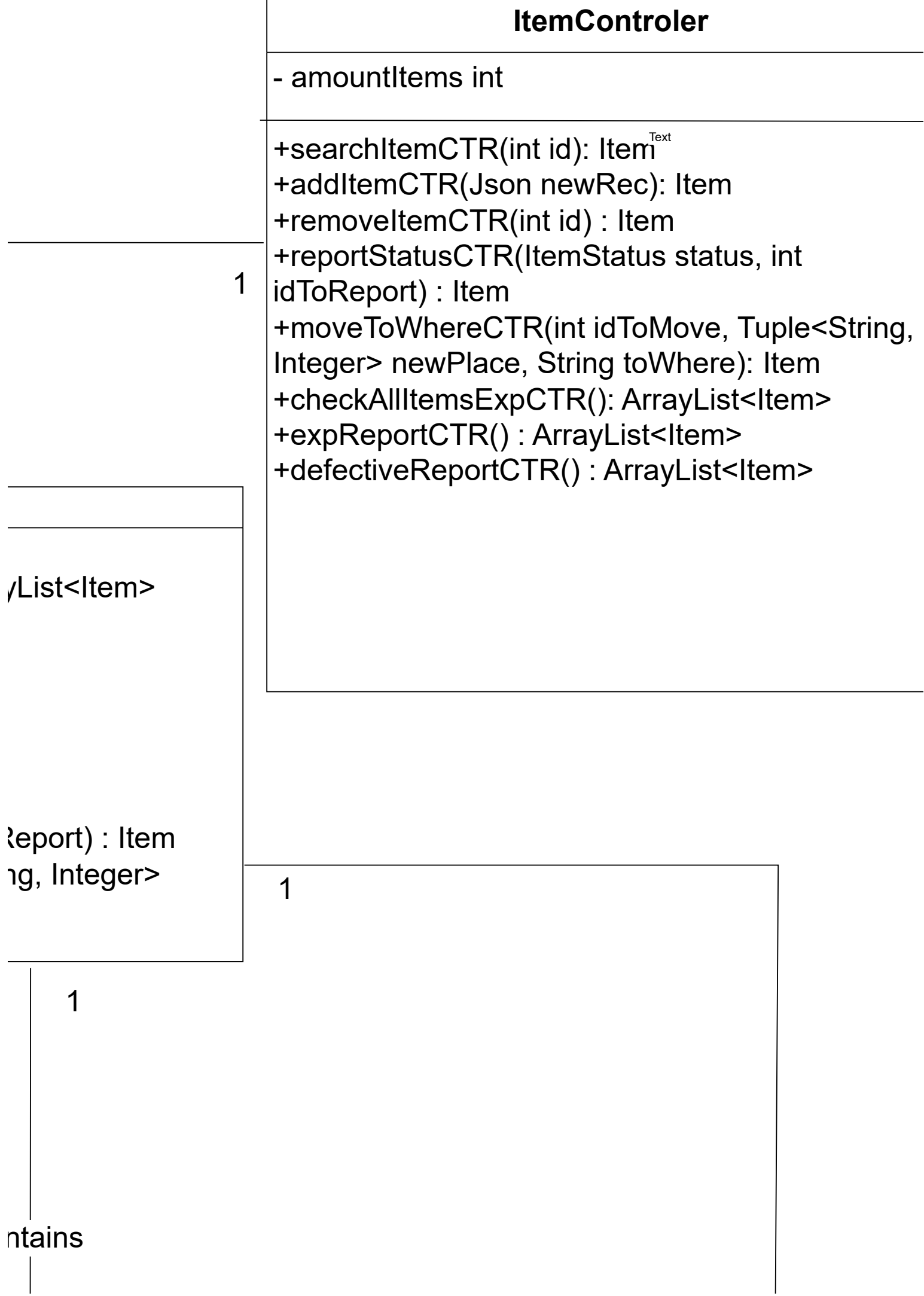


ProductControler
- amountProducts int
+searchProdByCatNumCTR(int catNum): boolean +searchProdByCategoryCTR(String mainCat, String subCat, String size): boolean +addProdCTR(Json newProdRec): void +removeProdCTR(int catNum): void +reportItemRemove(int catNum, String place):void +reportItemAdd(int catNum, String place):void +updateSaleCTR(String mainCat, String subCat, String size, LocalDate from, LocalDate to, int ratio): void +updateDisCTR(String mainCat, String subCat, String size, String manufacurer, int ratio): boolean +checkMinimalAmountCTR(int catNum) : boolean +checkAllProductSaleCTR(): void +inventReportByCatCTR(String mainCat, String subCat, String size) : ArrayList<Products> +inventReportAllService() : ArrayList<Products> +shortageReportCTR() : ArrayList<Products>

tageReportService() : String
 ReportService() : String
 ctiveReportService() : String



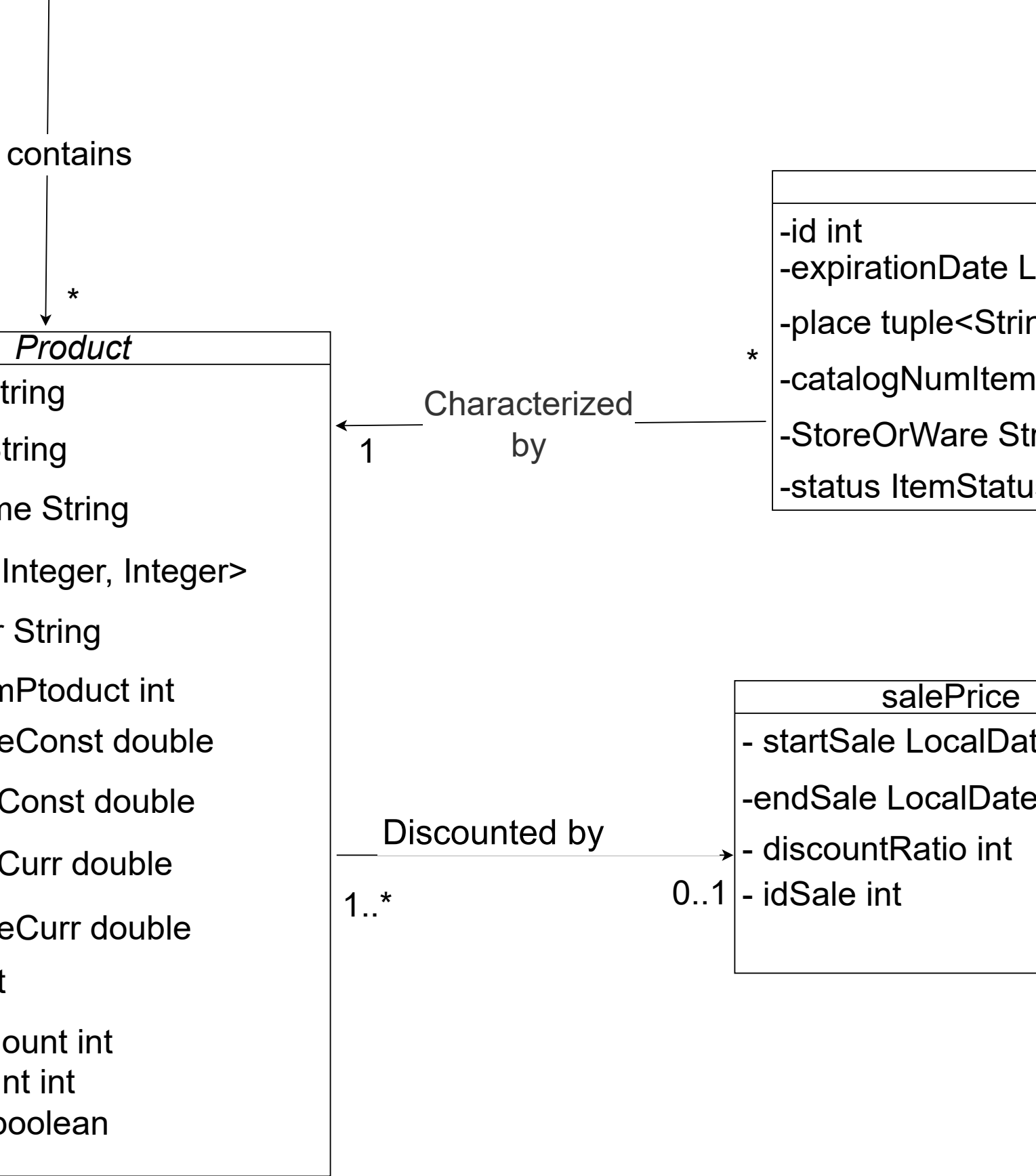






-prodSize S
-catName S
-subCatName
-total tuple<
-manufactor
-catalogNum
-marketPrice
-manuPrice
-manuPrice
-marketPrice
-discount int
-minimalAm
-orderAmou
-inStorage b

use





**Data Access
Layer**

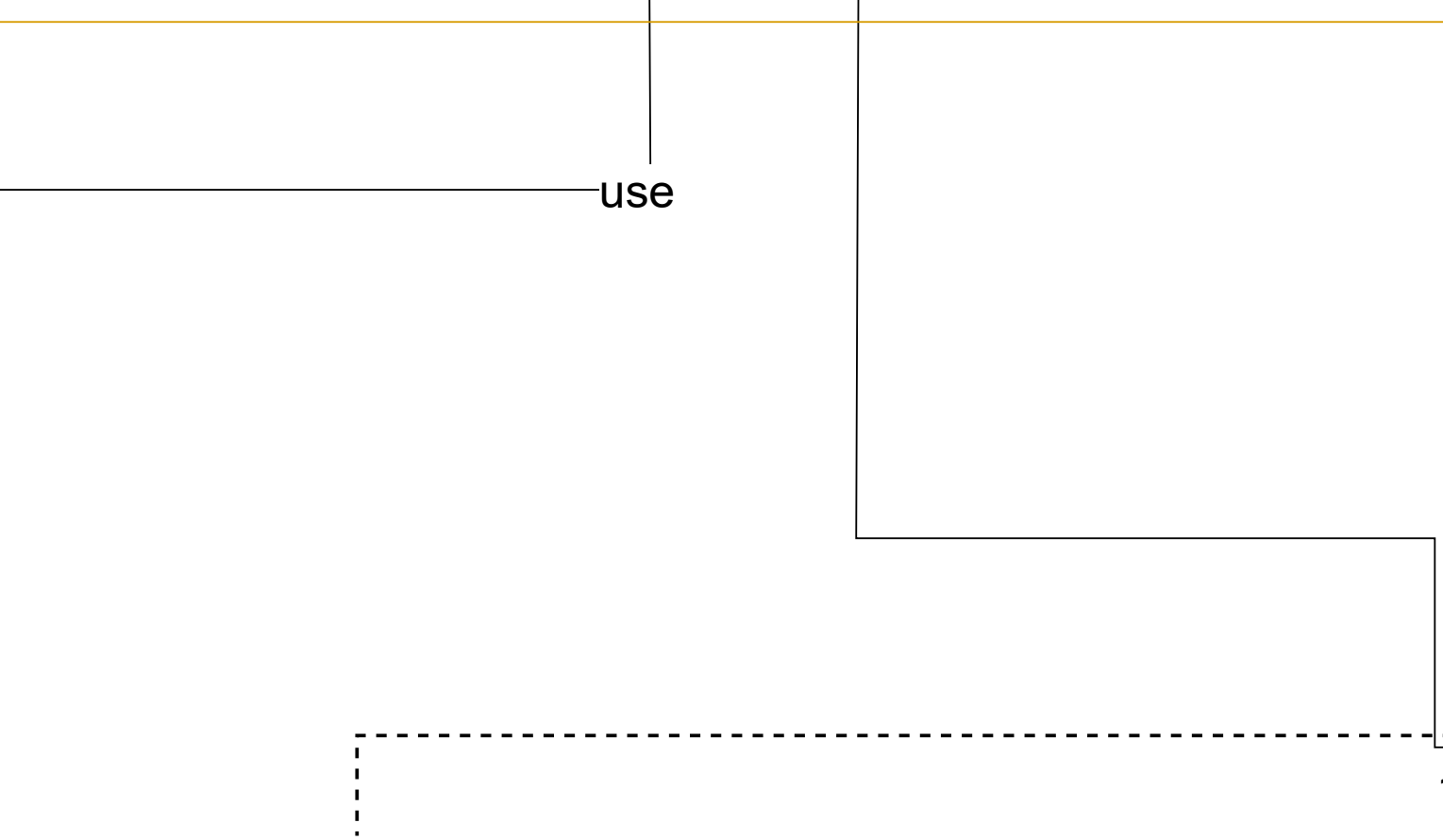
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Product

+search(int UniqueToSearch): Json
+ insert(Json recordToAdd): void
+ remove(int UniqueToremove) : void
+removeItemDB(int catNum, String fromWhere) : void
+findAllProductsByMainCatDB(String mainCat, ArrayList<String> subCat)
+findAllProductsBySubCatDB(String mainCat, String subCat)
+findAllProductsBySizeDB(String mainCat, String subCat)
ArrayList<Json>
+updateSaleDB(ArrayList<Integer> catalogNumToUpdate)
+updateDisDB(ArrayList<Integer> catalogNumbersToUpdate)
+updatePlacedItemDB(int catNum, String WareOrStore)

Use

Data Base



AccessObj

<Integer> alreadyHave) : ArrayList<Json>
Cat, ArrayList<Integer> alreadyHave) : ArrayList<Json>
t, String subCat, ArrayList<Integer> alreadyHave) :

e, int idOfNewSale, double ratio): void
date, double ratio): void
: void



<<Interface>>
IDataAccessObj

+search(int UniqueToSearch): Json
+insert(Json recordToAdd) : void
+ remove(int UniqueToremove) : void

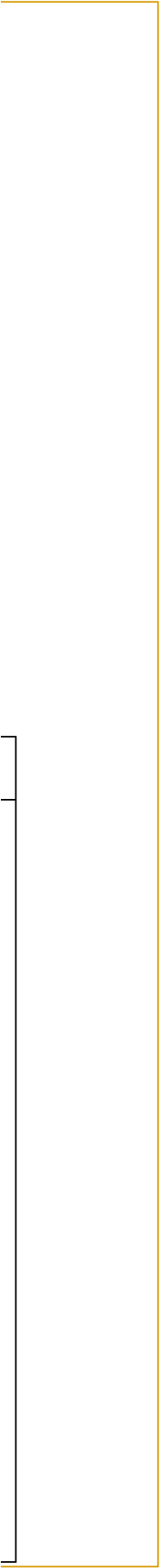
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SaleItemAccessObj

+search(int UniqueToSearch): Json
+insert(Json recordToAdd) : void
+ remove(int UniqueToremove) : void

Use

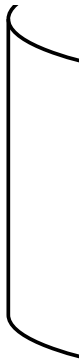
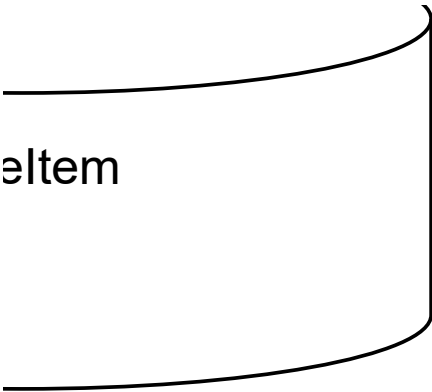




Pruduct

Sale





Item



