Presentation Layer

Service Layer

ProductToSend
- productId: int
- size: double
- supplierPrice: double
- price: double
- supplierName: string
- subCategory: string
- category: string
- productName: string
- description: string

StorageService
- storageFacade: StorageFacade
- Storage-User interaction functions

ItemToSend
- id: int
- expData: time
- location: string
- damaged: boolean
- boughtPrice: double
- soldPrice: double

StorageInit
- storageFacade: StorageFacade
- productService: ProductService
- storageService: StorageService

Response
- returnValue: Object
- errorMessage: String

Returns

ProductService
- storageFacade: StorageFacade
- Product-User interaction Functions

DiscountToSend
- storageDiscountPrice: double
- supplierDiscountPrice: double
- daysLeft: int

Business Layer

StorageFacade
- handeling storages functions

Report*
- title: string
- (abstract)printReport: string

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ProductReport

ItemReport

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Manages
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Storage
- storageName: string
- Storage functions...

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Product
- productId: int
- productName: string
- category: string
- subCategory: string
- supplierName: string
- price: double
- supplierPrice: double
- size: double
- Product functions...

Item
- id: int
- productName: String
- expData: time
- location: string
- damaged: boolean
- boughtPrice: double
- soldPrice: double
- sellDate: LocalDate
- Item functions...

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Category
- categoryName: string
- Categories functions...

1 Has a n

1 Has a n

SubCategory
- categoryName: string
- subCategoryName: string
- nameToId: HashMap<String,Integer>
- Subcategory functions...

1 Has a

Discount
- supplierDiscountPrice: double
- storageDiscountPrice: double
- startDate: LocalDate
- days: int
- discount class functions...