

Inventory system instructions:

On starting the System it will be filled with a default set of items and categories for testing purposes.

Main menu: this menu opens up when starting the System, you chose the option you want based on the number you type as input:

- 1) Add sale: the user enters an item id and the amount that was bought.
- 2) Report faulty: the user enters the item id, the location and the amount of faulty items that he wants to report.
- 3) Add item: the user enters the items details and the item is added to the system
- 4) Add category: the user enters the category name and the name of the category that is 'above' this category.
- 5) Faulty report: the user selects a date he wishes to start the report from and a report of all the items between the date the user entered and current date is printed.
- 6) Edit: opens a new menu for editing items or category that are in the system – you can see all the option below.
- 7) Inventory report: prints a report of **all** the items and categories that are in the inventory currently and their status.
- 8) Categories report: prints a report of the items and categories that are in the inventory currently and their status based on the categories the user chose to see.
- 9) Exit: quits the system.

Edit menu:

- 1) Add Item discount: adds a **price** discount on a specific item based on user input.
- 2) Add Category discount: adds a **price** discount on all items in a specific category.
- 3) Add to storage: add an amount of items to an item's 'in storage' amount
- 4) Add manufacturer discount: adds a **cost** discount on all items in a specific category.
- 5) Change item shelf: change the number of the shelf the item is at.
- 6) Move item to shelf from storage: removes an amount from an item's 'in storage' amount to the item's 'on shelf' amount
- 7) Remove item: removes an item entirely (including discount for said item) from the system
- 8) .
- 9) Back: return to main menu.

Initial data on booting the system

Category: Dairy

Item: Milk

Item: Cheese

Sub Categories: none

Category: Drinks

Item: Water

Sub Category: Soda:

Item: Cola

Item: Fanta

Sub Category: Diet:

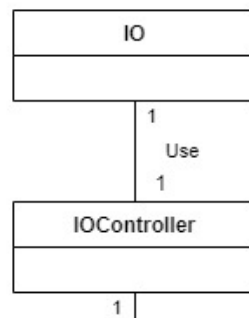
Item: Cola

Item: Fanta

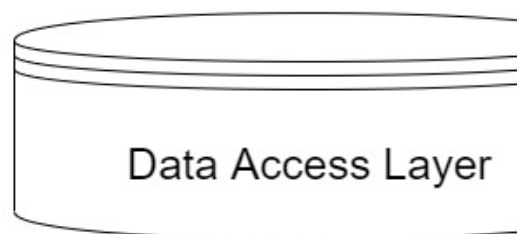
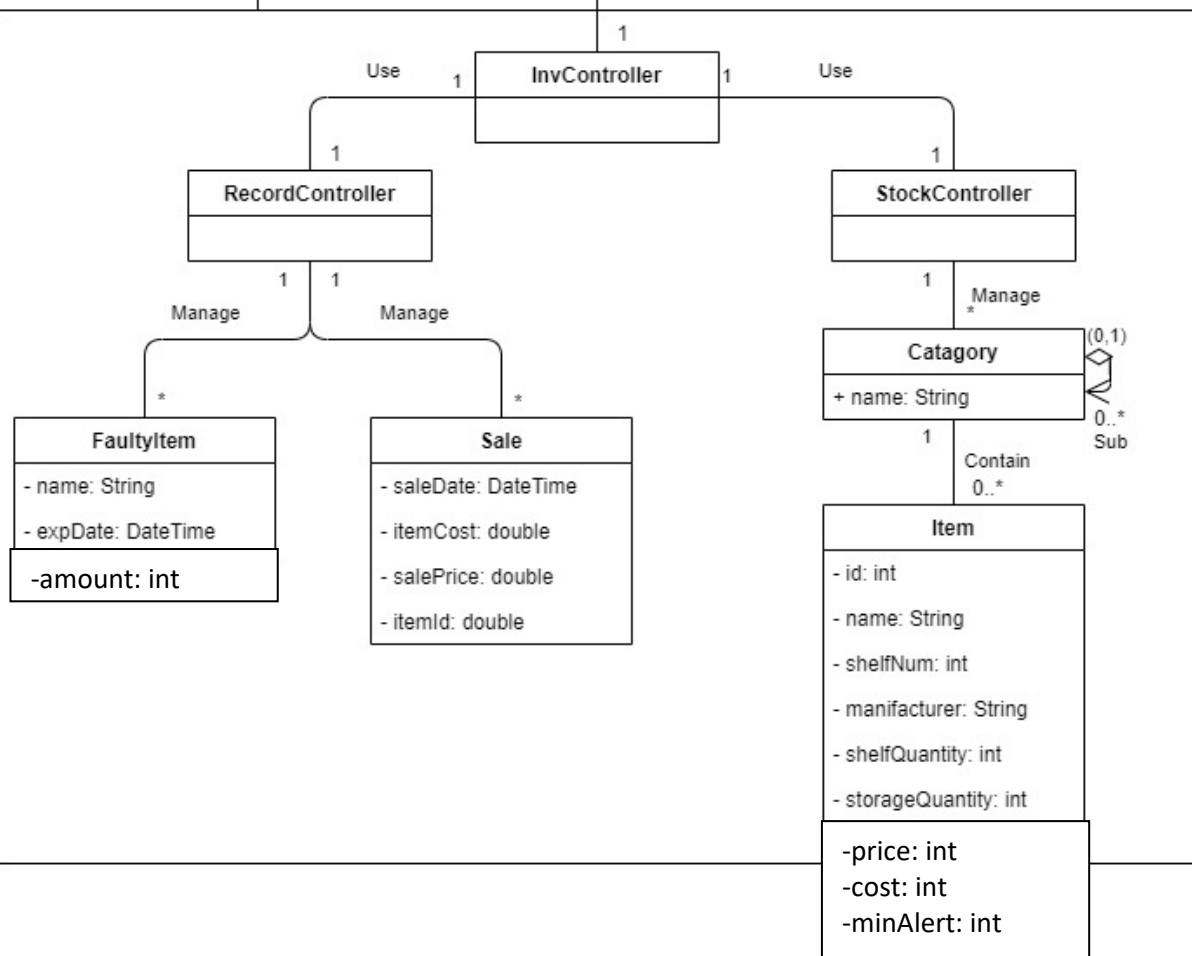
Changes from UML

- Faulty item: added amount field
- Item:
 - a. Added price field
 - b. Added cost field
 - c. Added minAlert field
- Discount:
 - a. Added Discount class
 - b. Discount has the following fields:
 1. Start: LocalDate
 2. End: LocalDate
 3. discountPr: int
- updated UML:

Service layer



Business layer



Data Access Layer