Use case name: עדכון מלאי והתראה על חוסרים

Textual Description: המשתמש מעדכן את המלאי על ידי סימון מוצרים כפגומים, או על ידי מכירת פריטים, והמערכת מתריאה על חוסרים בהתאם.

List of Actors: המשתמש.

Preconditions: המוצרים אותם המשתמש מנסה לעדכן קיימים במערכת.

Postconditions: המלאי עודכן בהתאם לinput, והמערכת הוציאה התראה במידה ונדרש.
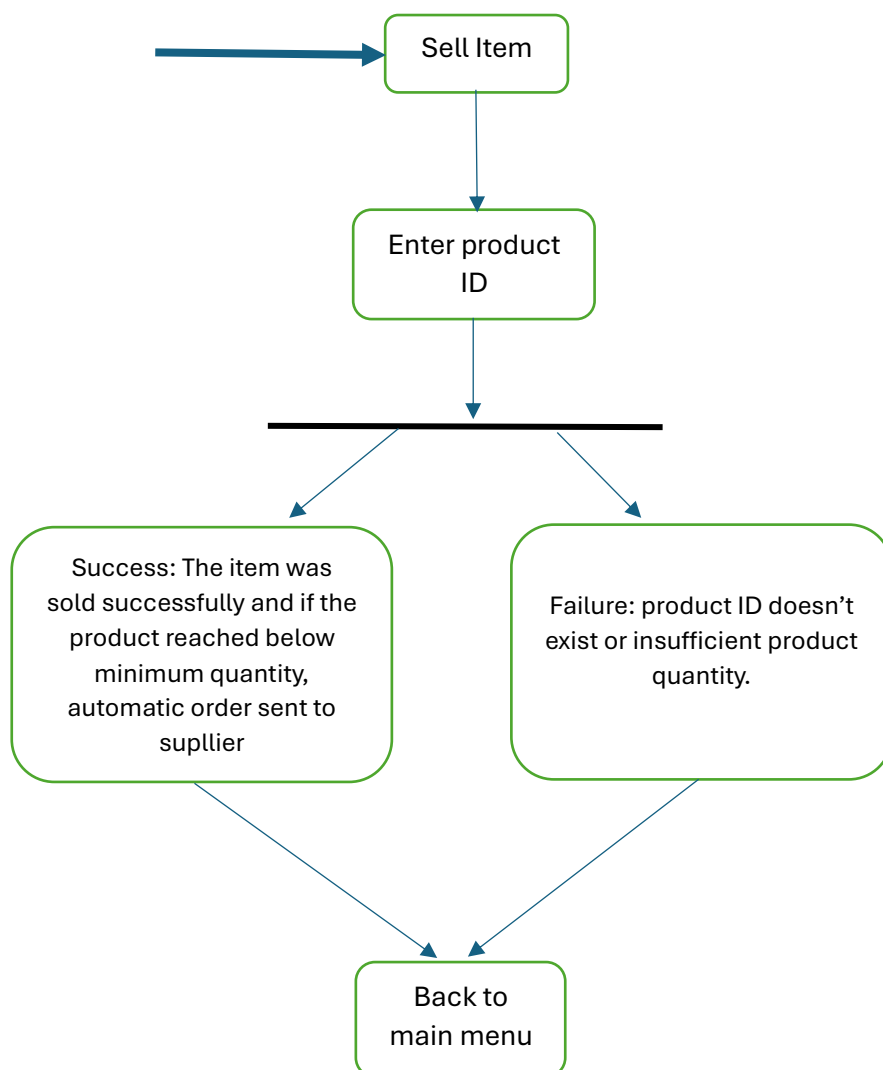
Main success scenario:

1. המשתמש מעדכן את המלאי על ידי סימון מוצרים כפגומים או על ידי מכירת פריטים.

2. המערכת מעדכנת את מסד הנתונים בהתאם.

a. לאחר העדכון, המערכת בודקת את מצב המלאי של המוצרים שהוזמנו – במידה והכמות יורדת מקו המינימום, המערכת מוציאה התראה.

Alternatives/Extensions: אין

Sell Item

Enter product ID

Success: The item was sold successfully and if the product reached below minimum quantity, automatic order sent to supllier

Failure: product ID doesn't exist or insufficient product quantity.

Back to main menu

Use case name: הוספת ספק חדש

Textual Description: המשתמש מוסיף ספק חדש למערכת.

List of Actors: המשתמש.

Preconditions: הספק אינו קיים כבר במערכת.

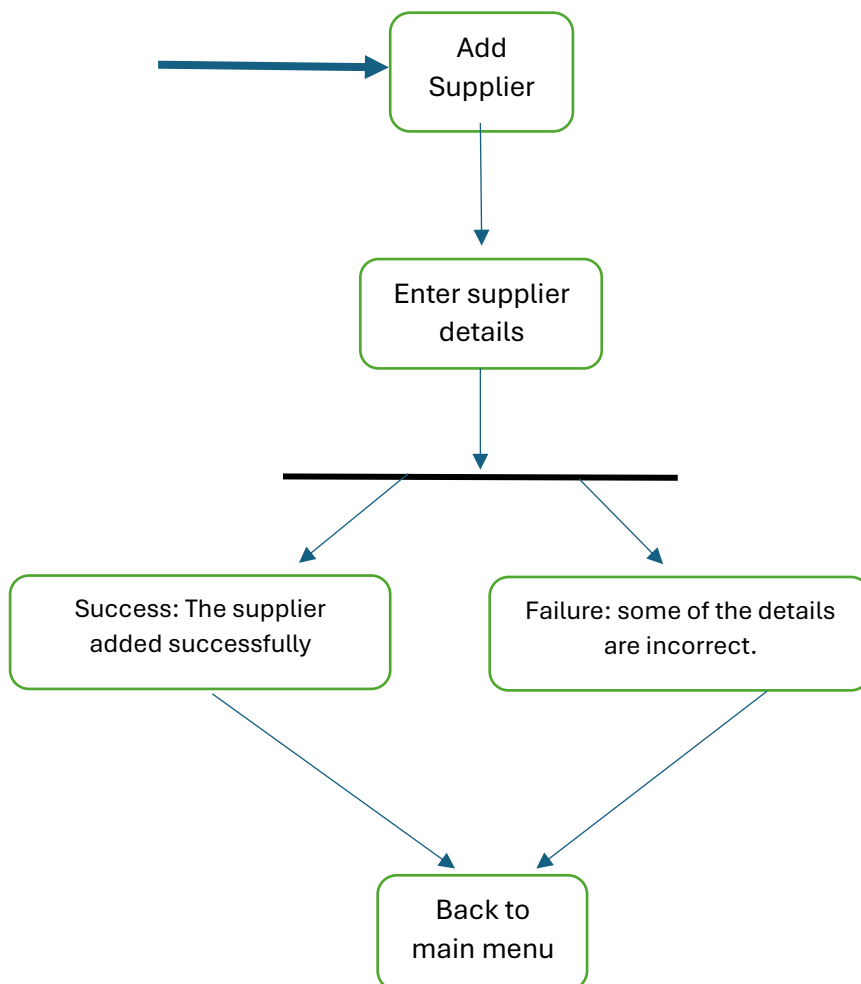**Postconditions:** הספק נכנס למערכת ונשמר במסד נתונים.

Main success scenario:

1. המשתמש מוסיף ספק למערכת.
2. המשתמש מתבקשת למלא עליו את הפרטים הבאים – שם, הנחה (במידה וקיימת).

Alternatives/Extensions:

1. במידה והספק כבר קיים במערכת, המערכת תוציא שגיאה והספק לא ישמר.

```
            Add
          Supplier
             │
             ▼
       Enter supplier
          details
             │
      ───────┴───────
      ▼             ▼
Success: The supplier   Failure: some of the details
 added successfully         are incorrect.
      ▼             ▼
         Back to
        main menu
```

Operation: addSupplier(name: string)
References: UseCase – Add Supplier
Preconditions: There in no supplier with that name
Postconditions:
- A corresponding Supplier instance has been created, and has been given a unique ID.
- That supplier has been added to the DB.

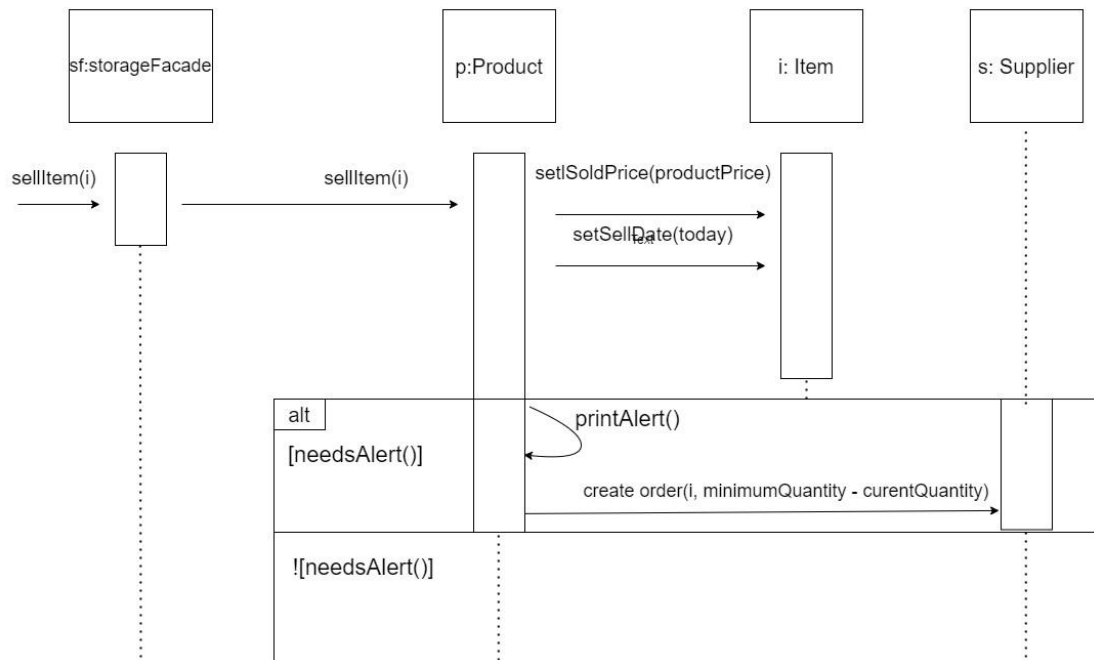Operation: sellItem(productID: integer, itemID: integer)
References: Usecase – Update stock and create alerts.
Preconditions: The item exist, and it isn't damaged or expired.
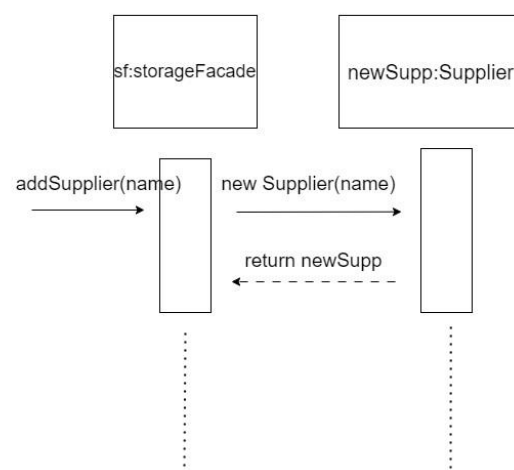Postconditions:
- The item has been sold and moved to the soldItems list.
- If after the update, the stock of this product reached below the minimum quantity, the system has:
     Created an alert for the user.
     Made an automatic supply request from the supplier.

Update and create alert use case

| sf:storageFacade | | p:Product | | i: Item | | s: Supplier |

sellItem(i)

sellItem(i)

setISoldPrice(productPrice)

setSellDate(today)

alt

[needsAlert()]

printAlert()

create order(i, minimumQuantity - curentQuantity)

![needsAlert()]

Add supplier use case

| sf:storageFacade | | newSupp:Supplier |

addSupplier(name)

new Supplier(name)

return newSupp

Requirements – Storage Module

The requirements are ordered by priority

Colored lines symbols adds/changes from assignment1 to assignment2

Colored lines symbols adds from our perspectives to system requirements

ID	Module	Func/Non-Fun	Description	Priority	Risk	Status	Executable\Reason
1	Storage	NF	The system will be built with the same technologies of the other module that is simultaneously being built by the second team.	MH	Low	-	No. Will be available after all modules are built.
2	Storage	F	For every product, the system will allow the user to add and update the following details: id, where it is placed, who supplied it, quantity left (split to store and storage), category, subcategory), minimum required.	MH	Low	Done	Yes
3	Storage	F	The system will monitor if products quantity runs below the minimum required and automatically order new sufficient stock.	MH	High	In progress	Yes
5	Storage	F	The system will order new product stock automatically every predefined period .The automatic period order should be sent to the supplier at least one day before.	MH	High	In progress	Yes
6	Suppliers	F	For every new product stock order the system will calculate the best fitted supplier to order from,	MH	High	In progress	Yes

			<mark>calculated by the lower supplier price.</mark>				
7	Storage	F	The system will allow the users to create reports based on categories, subcategories, sizes or bad items (outdated/damaged)	MH	High	Done	Yes
8	Storage	F	The system will allow the user to monitor the quantity of products available.	MH	High	Done	Yes
9	Storage	F	The system will monitor and record the price of the products include the supplier price and the sell price.	MH	Low	Done	Yes
10	Stroage	F	The system will allow the user to put a discount percentage on a product for a limited amount of time.	MH	High	Done	Yes
11	Stroage	F	The system will have the option to sell an item.	MH	Low	Done	Yes
12	Stroage	F	The system will have the option to change product state (undamaged to damaged).	MH	Low	Done	Yes
13	Stroage	F	The system will have the ability of adding/deleting new categories, sub-categories, products and items.	MH	Low	Done	Yes
14	Storage	F	<mark>The system will have the ability to filter products by</mark>	MH	Low	Done	Yes

			categories and subcategories.				
15	Storage	F	The system will allow the user to filter products by size	MH	Low	Done	Yes
16	Stroage	F	The system will have the ability to track damaged or date expired products	MH	Low	Done	Yes
17	Stroage	F	The system will allow the creation of multiple storages. In order to be flexible for future company growth.	NTH	Low	Done	Yes
18	Stroage	F	After every published report on damaged items, the system will drop those items from the storage.	NTH	Low	Done	Yes

Questions for the client:

ID	Topic	Issue	Notes
1	Minimum Quantity	How is the minimum quantity for each item is being decided - the storage manager doing it manually or is it a decided automatically by some formula?	
2	Alert system	How does alerts show to the user?	
3	Reports	How should reports look like? Diagrams, Tables ...	Client answer: It is up to us, there is not concrete way to do it.
4	Period order	How do we defined the period? should we order every month? Or every year? ...	

5	New Product Stock	How should we calculate the sufficient new stock we need to order? Should we check average period sells? or by constant? ...	

Explanations for changing requirements:

Requirement 2 : Added new minimum required field for each products to measure if product runs below some quantity.

Requirement 3 : No system alerts anymore. The system will automatically order new product stock who's runs below the minimum required.

Requirement 4 : New Requirement.

Requirement 5 : New Requirement.