מגישים:
206579674 - שי זילברשמידט
318673571 - אלמוג סעדי

מטלה מס' 1 – ניתוח ועיצוב מערכות תוכנה

חלק א'- ניתוח דרישות ועיצוב ראשוני של המערכת

1.1. טבלת דרישות

ID	Module	Functional / Non-Functional	Description	Priority	Risk	Status
1.	Inventory	Functional	The system **MUST** allow an employee to record item shortages manually.	MH	Low	Done
2.	Inventory	Functional	The system **MUST** generate a stock report based on current stock levels.	MH	Low	Done
3.	Inventory	Functional	The system **MUST** automatically send proactive notifications when an product's quantity reaches its predefined minimum quantity.	MH	Low	Done
4.	Inventory	Functional	The system **MUST** allow to set and update different minimal alert quantities for each product based on supply time and product demand.	MH	Low	Done
5.	Inventory	Functional	The system **MUST** store and present product in stock	MH	Low	Done
6.	Inventory	Functional	The system **MUST** store and present the item's location.	MH	Low	Done
7.	Inventory	Functional	The system **MUST** store and present manufacturer name.	MH	Low	Done

8.	Inventory	Functional	The system **MUST** store and present the total quantity of every product.	MH	Low	Done
9.	Inventory	Functional	The system **MUST** store and present the shelf quantity of every product.	MH	Low	Done
10	Inventory	Functional	The system **MUST** store and present the quantity of the warehouse of every product.	MH	Low	Done
11	Inventory	Functional	The system **MUST** store and manage discount details provided by suppliers.	MH	Low	Done
12	Inventory	Functional	The system **MUST** store each product's cost price	MH	Low	Done
13	Inventory	Functional	The system **MUST** store each product's retail price.	MH	Low	Done
14	Inventory	Functional	The system **CAN** display all the relevant promotion information clearly to users.	NTH	Low	Waiting
15	Inventory	Functional	The system **MUST** classification all products using a hierarchical structure consisting of categories, subcategories, and sub-subcategories.	MH	Low	Done
16	Inventory	Functional	The system **MUST** generate customizable inventory reports at least once a week, allowing them to select specific categories or subcategories to be included.	MH	Low	Done

17	Inventory	Functional	The system **MUST** allow store employees to report defective or expired products.	MH	Low	Done
18	Inventory	Functional	The system **MUST** periodically generate reports of defective products	MH	High	Waiting
19	Inventory	Functional	The system **MUST** support adding item.	MH	Low	Done
20	Inventory	Functional	The system **MUST** support removing item.	MH	Low	Done
21	Inventory	Functional	The system **CAN** save which user updated the price or quantity of a product.	NTH	Low	Waiting
22	Inventory	Functional	The system **CAN** allow users to attach notes or comments for specific inventory items.	NTH	Low	Waiting
23	Inventory	Non-Functional	The system **CAN** support multilingual user interfaces (English, Hebrew, Arabic) according to user preference settings.	NTH	Low	Waiting
24	Inventory	Functional	The system **CAN** export generated inventory reports in Excel or PDF formats upon user request.	NTH	Low	Waiting
25	Inventory	Functional	The system **CAN** store inventory shortage notifications.	NTH	Low	Waiting

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1.2 **טבלת שאלות פתוחות:**

#	Topic	Issue	Solution
1.	Inventory update	Who can update the inventory?	Everyone.
2.	Inventory Update	Is the inventory automatically updated when new products arrive, or does it require manual approval?	manual approval.
3.	Product Demand Estimation	How should the demand for each product be determined to set the minimum quantity for notifications?	The demand will be estimated based on the average weekly sales of each product over the past month, using a given formula.
4.	Inventory shortage Notifications	Where should inventory shortage notifications be stored?	Notifications will be stored and displayed in a notifications panel.
5.	Defective Items Handling	What is the process for handling defective items once identified? Should they be moved to a specific location, marked, or removed entirely from inventory?	If an item is defective, it must be removed entirely from the inventory and added to the shortage list if needed.
6.	Inventory Reports	What additional inventory reports (beyond category breakdowns) do management require, and what level of detail is expected?	Deficiency report
7.	Defective Items Reporting	What is the required time interval for generating periodic reports of defective items?	Once a week