

Inventory Module – Finalized Requirements Table

ID	Module	Type	Description	Priority	Risk	Status
INV-01	Inventory	Functional	The system MUST store the current quantity for each inventory item.	MH	Low	Done
INV-02	Inventory	Functional	The system MUST track the shelf location for each inventory item.	Medium	Low	Done
INV-03	Inventory	Functional	The system MUST track the warehouse location for each inventory item.	Medium	Low	Done
INV-04	Inventory	Functional	The system MUST store the manufacturer's name for each inventory item.	Medium	Low	Done
INV-05	Inventory	Functional	The system MUST store the cost and selling price for each inventory item.	High	Medium	Done
INV-06	Inventory	Functional	The system MUST allow defining a minimum quantity threshold for each inventory item.	High	Medium	Done
INV-07	Inventory	Functional	The system MUST automatically generate an alert when an item's quantity falls below its threshold.	High	Medium	Done
INV-08	Inventory	Functional	The system MUST allow marking inventory items as defective.	Medium	Low	Done
INV-09	Inventory	Functional	The system MUST allow marking inventory items as expired.	Medium	Low	Done
INV-10	Inventory	Functional	The system MUST support	Medium	Low	Done

			classification of items by category, subcategory, and size.			
INV-11	Inventory	Functional	The system MUST allow tracking promotions with percentage discounts for items or categories.	Medium	Medium	Done
INV-12	Inventory	Functional	The system MUST support generating weekly inventory reports filtered by one or more categories.	Low	Low	Done
INV-13	Inventory	Functional	The system MUST allow recording and reporting defective or expired items in a periodic report.	Medium	Low	Done
INV-14	Inventory	Non-Functional	The system SHALL responds to inventory lookup queries within 2 seconds under standard load.	Medium	Medium	Done
INV-15	Inventory	Non-Functional	The system MUST support access by multiple concurrent users from different store locations.	High	High	TODO (NOT THIS ASSIGNMENT)
INV-16	Inventory	Non-Functional	The system SHALL allow weekly backups of all inventory data.	Medium	Low	Done

Open Questions – Inventory System

ID	Topic	Issue
1	Minimum Quantity	How is the minimum quantity threshold determined for each product?
2	Placement	How do we decide where to place an item in the warehouse or store
3	Discounts	Are discounts applied at the product level or category level?
4	Alerts	When we get an alert does the alert contains the status of the item of it's expired or damaged ?
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