Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	19 October 2022
Team ID	PNT2022TMID03825
Project Name	Project - Inventory Management For Retailers
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with username Login with Email Login with password
FR-4	Dashboard	View product availability, name of the product, stock keep unit, brand, retail price, product category, lot number, expiration date, vendor information, wholesale cost,etc.,
FR-5	Identification of the stock location	Provide number label for - shelf, rack and boxes
FR-6	Periodical stock checking	Automate the tracking of stock count
FR-7	Purchase management and Forecasting	Order review and placement, avoid risk stock, review product, priorities purchases based on an item's profitability, popularity, and lead time.
FR-8	Returns Management System	Examine for flaws or damage and return to the vendor if necessary. Add it to inventory counts if it is sellable.
FR-9	Markdown and promotion	Display product savings, Keep enough inventory on hand to satisfy demand.
FR-10	Calculating the death stock	Return the stock to the vendor for credits

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The success of deploying an inventory monitoring system in your company depends on usability. The system must be user-friendly and straightforward in the manner it presents all pertinent data and linkages, and its menus must include buttons that are simple to grasp. The software is not worthwhile if training takes hours for your workforce. Remember to pick a solution that makes inventory management simple.This variant is compatible with desktop browsers.
NFR-2	**Security**	It is the method for making sure that kept goods are safe and under the best management control. It is crucial for effective warehouse management because a warehouse's productivity and safety determines how well a firm performs. In this case, only authorized people with their username and password can access the system.
NFR-3	**Reliability**	The user must constantly receive accurate inventory status from the system. By routinely comparing the real levels to the levels shown in the system, any errors are fixed.
NFR-4	**Performance**	Every time a user requests a process, the system must successfully complete the tasks like updating the stocks in the database, adding new stocks, and deleting it. Every time the system is turned on, all of its features must be accessible to the customer. The system's calculations must adhere to the standards established by the customer and shouldn't change until the customer specifically requests a change.
NFR-5	**Availability**	Only the organization's admin will have access to the software, and it is he who will record information of the product as well as the customer details. A single item's inventory availability determines whether it is accessible for customer orders. The admin can also add, remove or update the stock and stock details respectively.
NFR-6	**Scalability**	The business will become considerably more scalable with the use of an automated inventory management system for inventory tracking, enabling it to capitalize on rising sales and maintain steady growth.