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

Date	19 October 2022
Team ID	PNT2022TMID12995
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 linkedIn Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with username and password Login with mail id and password Login with phone number
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	Login Details	Login details along with time through email Login details along with time through phone number
FR-6	Unavailability alert	Alert message through send-grid
FR-7	Monitoring of stock	Audit monitoring through incoming and outgoing stocks
FR-8	Updation	Update through user account
FR-9	Database	Usage of IBM cloud storage for storing the data.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability is crucial to the success of using an inventory tracking system in your business. The system's interface must be simple to use and clearly convey all relevant information and connections, and its menus must have buttons that are easy to understand. If your workforce needs to spend hours on training, the software is not worthwhile. Choose a solution that makes inventory management straightforward. Desktop browsers are compatible with this version.
NFR-2	**Security**	It is a technique for ensuring that things are kept safely and with the best possible management oversight. It is essential for efficient warehouse management since the productivity and security of a warehouse affect how well a company works. In this instance, the system can only be accessed by authorised users who have their username and password.
NFR-3	**Reliability**	The system must continuously provide the user with accurate inventory status. Any mistakes are corrected by routinely comparing the actual levels to the levels displayed by the system.
NFR-4	**Performance**	The system must successfully perform operations including updating the database's stock information, adding new stocks, and deleting existing stocks each time a user requests a process. All of the system's functionality must be available to the user every time it is powered on. The system's calculations must adhere to the criteria that the customer has defined and shouldn't change unless the customer expressly asks it.
NFR-5	**Availability**	The programme will only be accessible to the organization's administrator, and it is he who will record client and product information. Whether an item is available for customer orders depends on its inventory status. Additionally, the administrator has the ability to add, remove, or change the stock and stock data.
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.