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

Date	19 October 2022
Team ID	PNT2022TMID27239
Project Name	Inventory Management System
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 requirement	**User can register through their phone number and email id.**
FR-2	User confirmation	Confirmation via Email Confirmation via otp
FR-3	User Login	Login through User name and password, phone number and otp, email id and password or otp.
FR-4	Records of the product	Product name Product category Product ID Product expiry date Stock count Vendor details
FR-5	Updating of inventory details	Automatically updated through POS database.
FR-6	Re-ordering alert	An alert message or notification is sent to the users phone.
FR-7	Monitoring stocks	Audit monitoring through incoming and outgoing stocks.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Once retailers successfully login into the application they can update their inventory details, also they will be able to add new stock by submitting essential details related to the stock. The system will automatically send a notification alert to the retailers, if their product reaches its threshold limit for re-ordering stocks and also for the expired products, so that they can remove that products.
NFR-2	**Security**	Application have been developed to help retailers track and manage their stocks. The system will ask the retailers to login into their account using their respective phone number and otp, that will be sent to their entered phone number. Authentication will be provided by their phone number and respective otp.

NFR-3	**Reliability**	It will be reliable to use, that it provides easy automatic updation with accuracy.
NFR-4	**Performance**	User will be provided with easy inventory tracking. By the automatic alerts for the stock reduction and expiring products the man power will be considerably reduced then time and costs will also be reduced. This improves the inventory management performance.
NFR-5	**Availability**	Inventory management system is designed to monitor product availability, alerting and providing easy tracking of stock for the shop assistants who login into their respective account.
NFR-6	**Scalability**	The ability of the inventory management system can store and maintain large amount of data. It stores data in kilobytes and it will not utilize more storage for storing data.