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

Date	17 October 2022
Team ID	PNT2022TMID20512
Project Name	Project – Inventory Management System 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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with username Login with password
FR-4	Record of products	Manage different products sold by entering the name, price, description and discount offered.
FR-5	Stock Management	Add new stock by entering the item name and the quantity. Stock gets removed automatically after each sale.
FR-6	Stock Shortage Alert	Alert the user via email when an item goes below the threshold value.
FR-7	Returns Management System	Check for damage or defects and return to vendor as needed. If sellable add it to inventory counts
FR-8	Audit Monitoring	Monitor incoming and outgoing stock
FR-9	Historical Data	Visualizations for the list of items sold along with the quantity during a particular time period

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Highly portable, User-friendly and highly responsive UI for easy access.
NFR-2	**Security**	Only authorized users can access the system with user name and password.
NFR-3	**Reliability**	Secure server for reliable and fault tolerant connection. Any inaccuracies are corrected by regularly comparing the actual levels to the levels displayed in the system.
NFR-4	**Performance**	The system should not take a longer time to send a

		response to the user. Reliable performance with high-end servers.
NFR-5	**Availability**	The system should be accessible at all times.
NFR-6	**Scalability**	The system should be able to accept any kind of new changes in the near future such as increase in the user count and so on.