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

Team ID	PNT2022TMID30591
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 Fingerprints Login with Password Login with Username
FR-4	Periodic stock checking	Cycle counting Physical counting
FR-5	Inventory data	Sales administration and Database upkeep FIFO, LILO according to goods.
FR-6	Markdown	Show product discount
FR-7	Promotion	Maintain enough stock on hand to meet demand.
FR-8	Management of Receiving Stock	Accurately recording goods on an inventory
FR-9	Inventory Reports	1. Software is meant to generate automated reports. 2. Inventory validation report 3. Inventory forecasting report
FR-10	Purchase management and Forecasting	1. Avoid risk stock 2. Review product 3. ABC, FSC, XYZ, JIT techniques 4. Order review and Placement
FR-11	Death stock	Return to the vendor for credits
FR-11	Inventory KPIs (Key Performance Indicator)	1. Sale KPIs 2. Receiver KPIs 3. Employee KPIs
FR-12	Returns Management System	1. Add it to inventory counts 2. Check for damage

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The System must be intuitive and simple in the way it displays all relevant data and relationships; and the menus of the system are easily navigable by the users with buttons that are easy to understand. If it takes hours for your staff to learn the software, then it's not worth it. You should remember to choose a solution that simplifies inventory management.
NFR-2	**Security**	Only authorized users can access the system with user name and password of administrator. Inventory is the process of ensuring the safety and optimum management control of stored goods. It is of central importance for optimum warehouse management because the performance of a company stands or falls with the safety and efficiency of a warehouse.
NFR-3	**Reliability**	Important for several reasons. Your delivery reliability depends on it, but also consider the costs involved. The system must successfully add any recipe, ingredients, vendors, or special occasions given by the user and provide estimations and inventory status in relevance to the newly updated entities. The system must give accurate inventory status to the user continuously. Any inaccuracies are corrected by regularly comparing the actual levels to the levels displayed in the system.
NFR-4	**Performance**	The goal of inventory performance metrics is to compare actual on-hand dollars versus forecasted cost of goods sold. The system must successfully complete updating the databases, adding new recipes, ingredients, vendors, and occasions every time the user requests such a process. All the functions of the system must be available to the user every time the system is turned on. The calculations performed by the system must comply with the norms set by the user and should not vary unless explicitly changed by the user.
NFR-5	**Availability**	The software will be available only to administrator of the organization and the product as well as customer details will be recorded by him. Inventory availability refers to whether a specific item is available for customer orders. Additional information provided by retailers may include the quantity available.

NFR-6	**Scalability**	The inventory management software or app you choose be able to grow as your business does? The last thing you want is to have to manually re-enter all your inventory if you outgrow your current system. The ability of a system to handle a growing amount of work.