

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

Date	03 October 2022
Team ID	PNT2022TMID16269
Project Name	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	Inventory Insertion	Add item to inventory Deduct revenue as expense
FR-4	Inventory Deletion/ product sale	Deduct item from inventory Add revenue as sale
FR-5	Sales Prediction	Prediction through Time series algorithm
FR-6	Sale suggestion	Suggesting MVP through prediction

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 easy to use by both managers and employees such that they do not need to read an extensive number of manuals. The system must be quickly accessible by both managers, employees and the admin
NFR-2	Security	The system must provide a password enabled login to the user to avoid any foreign entity changing the data in the system. The system should provide the user updates on completion of requested processes and if the requested processes fail, it should provide the user the reason for the failure. The system should not update the data in any database for any failed processes
NFR-3	Reliability	The system must give accurate inventory status to the user continuously. Any inaccuracies are taken care by the regular confirming of the actual levels with the levels displayed in the system. The system must successfully add any products, sales data, purchase orders or special occasions given by the user and provide estimations and inventory status in relevance with the newly updated entities.
NFR-4	Performance	The system must not lag, because the workers using it don't have down-time to wait for it to complete an action. The system must complete updating the databases, any products, sales data, purchase orders successfully 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.
NFR-5	Availability	The software is designed such that it works even on systems having the minimum configuration The system is adaptable even if additional plugins or modules are added at a later point. The data can be exported to the manager so as to make the system more portable
NFR-6	Scalability	This system must be able to scaled up to multiple warehouses and multiple businesses.