

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

Date	19 October 2022
Team ID	PNT2022TMID04841
Project Name	Inventory Management for Retailers
Maximum Marks	4 Marks

Functional Requirements:

Functional requirements may involve calculations, technical details, data manipulation and processing, and other specific functionality that define what a system is supposed to accomplish. The 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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with username Login with password
FR-4	Product record	Product name Stock count Product category Vendor details
FR-5	Email Notification	Email through SendGrid Reduced stock quantity Email to both retailer and seller
FR-6	Audit Monitoring	Monitor incoming and outgoing stock

Non-functional Requirements:

Non-functional requirement (NFR) is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviours. The following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Highly portable, User-friendly and highly responsive UI for easy access
NFR-2	Security	Access Control, User privileges, Password management features
NFR-3	Reliability	Secure server for reliable and fault tolerant connection
NFR-4	Performance	Reliable performance with high-end servers
NFR-5	Availability	Service hosting server downtime should be negligible during upgradation
NFR-6	Scalability	The resources and service provided by the software should be scalable