

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

Date	17 October 2022
Team ID	PNT2022TMID40335
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
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
FR-7	Database	Usage of Standard database for storing of data.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• Highly portable• User-friendly• Highly responsive• Easy to use• Not complex
NFR-2	Security	<ul style="list-style-type: none">• Access Control• Password management features• User privileges• Provides authentication
NFR-3	Reliability	<ul style="list-style-type: none">• Secure server for reliable and fault tolerant connection.• It will be reliable that it can update with very time period so that the accuracy will be good.
NFR-4	Performance	<ul style="list-style-type: none">• Reliable performance with high-end servers.• User can track the record of goods available using the application.
NFR-5	Availability	<ul style="list-style-type: none">• Service hosting server downtime should be negligible during upgradation.• User can track the record of goods available using the application.
NFR-6	Scalability	<ul style="list-style-type: none">• The resources and service provided by the software should be scalable.• It is scalable that we are going to use data in kilobytes so that the quite amount of storage is satisfied.