

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	19 th October 2022
Team ID	PNT2022TMID30805
Project Name	Inventory Management 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
FR-2	User Login	Login with username Login with password
FR-3	Product record	Product ID Product name Product Count Minimum count to trigger reorder notification Maximum count Product category Vendor details
FR-4	Email Notification	Email through SendGridReduced stock quantity Email to both retailer and seller
FR-5	Audit Monitoring	Monitor incoming and outgoing stock

Non-functional Requirements:

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, Hashed Password Storage
NFR-3	Reliability	Secure server for reliable and fault tolerant connection
NFR-4	Performance	The System shall be able to handle multiple requests at any given point in time and generate an appropriate response.
NFR-5	Availability	It is a cloud-based web application so user can access without any platform limitations, just using a browser with an internet connection is enough for use the application
NFR-6	Scalability	As the business grows, the users can keep track of stocks in multiple warehouses located at various locations without any hassle