

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

Date	19 October 2022
Team ID	PNT2022TMID12716
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	Successful Log In	Sign into the application using the registered email ID and password
FR-4	Update inventory details	Notification through alert message and Email[if needed]
FR-5	Add new stock	Update the database through python/flask and notified through Email[if needed]
FR-6	Unavailability of stock	Alert notification through Email or SMS

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	When the account is created in the application, all the details about the stock has to be filled. And when the stocks are no more left, the application will get to know this and does the process
NFR-2	Security	The software should be handled only by the administrator and authorized users. Only the administrator has the right to create new accounts and generating inventory.
NFR-3	Reliability	In the event of application failure due to software or hardware, the software should be able to connect to the database
NFR-4	Performance	The performance of the application must be capable of handling multiple users at a time flexibly without causing errors
NFR-5	Availability	The system is designed to monitor systems are designed to monitor product availability, determine purchasing schedules for better customer interaction