

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

Date	03 October 2022
Team ID	PNT2022TMID52556
Project Name	Project - 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	The user should be able to register with username, email and password.
FR-2	Dashboard	The dashboard should display the overall statistics describing the inventory status.
FR-3	Add/Remove Item	User should be able to add/remove products from the inventory.
FR-4	View inventory	The user should be able to view the entire inventory with simple user interface.
FR-5	Email alert	An email alert should be triggered in case of shortage of stocks.
FR-6	Track item	The user should be able to fetch the current status of the product (Shipped/Packing/delivered)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should be easy to use by the retailers such that they do not need to read extensive amount of manuals.
NFR-2	Security	The privacy and authenticity of the user should be preserved. It should withhold against top vulnerabilities.
NFR-3	Reliability	The system must give accurate inventory status to the user continuously. It should successfully add any item and display the same without any error.
NFR-4	Performance	The system must not lag and should have no downtime.
NFR-5	Availability	The service must be available to user every time the system is turned on.
NFR-6	Scalability	The system should support huge amount of users parallelly.

