

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

Date	19 October 2022
Team ID	PNT2022TMID27832
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	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login via Registered Credentials
FR-4	Homepage	Profile, register (or) login, sign-out, available services
FR-5	Dashboard	Profile Tracking, Profile Data, Services Used, Services Available
FR-6	Add product	Add product details like product name,id,type,color etc
FR-7	Delete product	Delete product using details such as id,name
FR-8	Edit product	Edit product using details like product name,id,type,color etc
FR-9	Manage orders	Add orders,delete orders,edit orders
FR-10	Update inventory	Update inventory after every sales and purchase
FR-11	Generate purchase order	On placing order generate purchase order with specific product details
FR-12	Filter products	Based on the requirements filter and display the products from the database
FR-13	Generate bill	On purchase by customer generate bill with details of the product
FR-14	Set minimum levels	Fix the minimum stock level at which the retailer must be notified
FR-15	View report	View the reports generated using the sales and purchases

FR-16	Add supplier	Add any new vendors for the products using vendor name,id etc
FR-17	Delete supplier	Delete any vendor using details such as vendor id, name etc
FR-18	Edit supplier	Edit any vendor details

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly and intuitive UI
NFR-2	Security	Authenticated and Authorized Database, Secure Cloud Services
NFR-3	Reliability	Accurate real-time data
NFR-4	Performance	On-demand use of services in cloud, robust performance
NFR-5	Availability	Available to all Retailers, through purchase of our Inventory Management System for Retailers. Online and offline access of Database
NFR-6	Scalability	Room for changing priorities,Load Balancing (balancing of data/tasks)