

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

Date	30 October 2022
Team ID	PNT2022TMID25983
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
FR-3	User Login	Authentication
FR-4	Dashboard	List of all items purchased and the stock which is needed For the user
FR-5	Navigation Side Menu	Nav buttons to all modules, Sign out, Settings and profile module
FR-6	Inventory Management Module	Add Stock, Update Stock, Delete Stock & Manage all the Stock details
FR-7	Remainders Module	Add Remainder when stock is less
FR-8	Reports Module	Generate monthly and daily reports for the manager with all the stocks that are present.
FR-9	User Profile Module	Edit User Profile
FR-10	Settings Module	Edit settings

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The solution is easy to use as the UI is made to be accessible and user-friendly. Easy navigation is provided through an integrated sidemenu and chatbot assistance.
NFR-2	<b>Security</b>	Application is highly secure as all data is encrypted using a secure encryption algorithm and user data is accessible only on authentication.
NFR-3	<b>Reliability</b>	Application is highly reliable as it is deployed with IBM cloud assistance.

NFR-4	<b>Performance</b>	Performance is stable and smooth as it is very light weight application built with flask.
NFR-5	<b>Availability</b>	It is available easily as it is deployed on the internet.
NFR-6	<b>Scalability</b>	Application is scalable as it uses IBM cloud resources and microservices architecture. Extensions and modifications are done easily.