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

Date	16 October 2022
Team ID	PNT2022TMID36945
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 own application Form Registration through Gmail Registration through LinkedIN Registration through Google Docs.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login through User name and password. Login through mail I'D and password. Login through OTP through mail I'd and password. Login through Phone number.
FR-4	Records of the products	Product name Product category Product I'd Stock Count Vendor details
FR-5	Login details	Login Details along with time through E-mail. Login Details along with time through phone number.
FR-6	Updation of inventory Details.	Update through E-mail Update through User account.
FR-7	Unavailability Alert	Alert Message through mail or phone number.
FR-8	Monitoring of stock	Audit monitoring through incoming and outgoing stock.
FR-9	Database	Usage of standard database for storing the data.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock. • It can use by wide variety of client as it is very simple to learn and not complex to proceed • Easy to use, User-friendly and Responsive.
NFR-2	**Security**	• Applications have been developed to help retailers track and manage stocks related to their own products. The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application. With Registered Mail id only retailers can log into the application. So it provide authentication. • We are using login for the user and the information will be hashed so that it will be very secure to use.
NFR-3	**Reliability**	• It will be reliable that it can update with very time period so that the accuracy will be good.
NFR-4	**Performance**	• User can track the record of goods available using the application. Inventory tracking helps to improve inventory management and ensures that having optimal stock available to fulfill orders.Reduces manpower , cost and saves time. Emails will be sent automatically While stocks are not available.Makes the business process more efficient.Improves organizations performance. • It will be perform fast and secure even at the lower bandwidth
NFR-5	**Availability**	• The availability of product is just one way in which an inventory management system creates customer satisfaction. Inventory management systems are designed to monitor product availability, determine

		purchasing schedules for better customer interaction. • Prediction will be available for every user but only for premium user news,database and price alert will be alert
NFR-6	**Scalability**	• Scalability is an aspect or rather a functional quality of a system, software or solution.This proposed system for inventory management system can accommodate expansion without restricting the existing workflow and ensure an increase in the output or efficiency of the process • It is scalable that we are going to use data in kilobytes so that the quite amount of storage is satisfied