

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

Date	27 October 2022
Team ID	PNT2022TMID17979
Project Name	Inventory Management System for Retailers in Cloud Application Development
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	Account Creation	Creation through Google Creation through Email Creation through LinkedIn Creation through Github
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Successful Log in	Notification through Email Notification through Phone number
FR-4	Update inventory details	Notification through Email Notification through Phone number
FR-5	Add new stock	Notification through Email Notification through Phone number
FR-6	Unavailability of stock	Alert notification through Email, Phone Number

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Once retailers have successfully logged in to the programme, they can update the information on their inventory. Users can also add new goods by providing the necessary information regarding the item. They have access to the current inventory's specifics. If there is no stock detected in the accounts of the retailers, the System will immediately send an email alert to them. in order for them to order new supply.
NFR-2	Security	Applications have been created to assist shops in keeping track of and managing the supply of their own products. Retailers will be prompted by the System to register their accounts by providing necessary information. Retailers can log into the programme to access their accounts. Only retailers with a Registered Mail ID can access the application. Thus, it offers authentication.

NFR-3	Performance	Utilizing the application, users can follow the history of the accessible commodities. Inventory management is enhanced through inventory tracking, which guarantees that there is enough stock on hand to complete orders. saves money, time, and personnel. While there are no stocks available, emails will be sent automatically. increases the effectiveness of the business process. increases the performance of companies.
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NFR-4	Availability	One method an inventory management system improves customer satisfaction is by making products available. Systems for managing inventory are intended to keep track of product availability and plan purchases to improve customer interactions.
NFR-5	Scalability	Scalability is a feature or, more precisely, a functional attribute of a system, piece of software, or other solution. This suggested approach for inventory management can support growth without impeding on the current workflow, ensuring an improvement in production or process efficiency.