

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	16 OCT 2022
Team Id	PNT2022TMID53307
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)
1	User Registration	<ul style="list-style-type: none">• User can registration through own application Form• User can registration through Gmail• User can registration through LinkedIN
2	User Confirmation	<ul style="list-style-type: none">• Confirmation will be sent through email• Confirmation will be sent through OTP
3	User Login	<ul style="list-style-type: none">• Login through User name and password.• Login through mail I'D and password.
4	Records of the products	<ul style="list-style-type: none">• Product name• Product category• Product ID• Stock Count• Vendor details
5	Updating the inventory Details	<ul style="list-style-type: none">• Update through E-mail• Update through User account
6	Alert	Alert Message through mail or phone number if the stock is less or unavailable
7	Auditing the stocks	Logging and storing the incoming and outgoing stocks

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR No.	Non-Functional Requirement	Description
1	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
2	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
3	Reliability	It will be reliable that it can update with very time period so that the accuracy will be good.
4	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.
5	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 fulfil 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.
6	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.