

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

Date	29 October 2022
Team ID	PNT2022TMID13736
Project Name	Project – <i>INVENTORY MANAGEMENT SYSTEM FOR RETAILERS</i>
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 Creation	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Login through email link
FR-4	Product search	the process by which you track your goods throughout your entire supply chain, from purchasing to production to end sales.
FR-5	Check availability using pin code	Check the product weather placed or not.
FR-6	Delivery slot booking	Using registred id
FR-7	Customer communication	Via phone call
FR-8	Installation appoinment	Through purchased order

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Good inventory management is a vital part of running a retail company. Without inventory, the business is worthless as it no longer has any stock to generate revenue from.
NFR-2	Security	<ul style="list-style-type: none">• Lock and monitor inventory. ...• Organize and label inventory. ...• Spot check the inventory list. ...• Review your bill of materials. ...
NFR-3	Reliability	<ul style="list-style-type: none">• Reliance on Multiple Manual Counts• Pulling Items from Stock that have Already Been Allocated• Poor Record Keeping
NFR-4	Performance	Inventory Performance is a measure of how effectively and efficiently inventory is used and replenished. The goal of inventory performance metrics is to compare actual on-hand dollars versus forecasted cost of goods sold
NFR-5	Availability	<ul style="list-style-type: none">• Inventory availability refers to whether a specific item is available for customer orders. Additional information provided by retailers may include the quantity available• If the item is not in stock, the retailer may indicate its status — whether it is backordered or in transit from suppliers.
NFR-6	Scalability	In business, to “scale” means to grow or expand effectively. Moreover, in the software realm, a scalable system is one that doesn’t have to be redesigned to maintain high levels of performance when workloads increase.