Project Design Phase – II
Solution Requirements

Date	25 October 2022
Team ID	PNT2022TMID43323
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

Functional Requirements:

The functional requirements of the proposed solution are as follows,

FR. No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Authentication and Confirmation	Authentication via Email Confirmation via OTP Confirmation via Google Authentication
FR-3	User Log In /Sign In	Sign In through Gmail Sign In through username and password
FR-4	Home Page	Displays all the product details
FR-5	Product Ordering	Customer can order product and put them in their cart
FR-6	Product Restocking	Restock product to meet the need
FR-7	Product management	Vendors can manage their products remotely
FR-8	Audit Monitoring	The technique of tracking crucial data is known as audit tracking Monitor the financial expenses carried out throughout the whole time
FR-9	Reporting and Analytics	Demand forecasting is a way to reduce safety stock and carrying costs Evaluate patterns in your processes to forecast future demand and sales

FR-10	Customer Relationship Management (CRM)	Get customer reviews Keep track of customer ratings
FR-11	Security Policy	User data must not be misused.

Non-Functional Requirements:

The non-functional requirements of the proposed solution are as follows,

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple and easy to use User Interface Impressive webpages Creating a responsive website which is intuitive
NFR-2	Security	Software must be protected from unauthorized access to the system protection against viruses and malware attacks Authentication via email and OTP
NFR-3	Reliability	Handle bugs in the code, hardware failures, or problems with other system components The database update process must roll back all related updates when any update fails
NFR-4	Performance	The front-page load time must be no more than 2 seconds for users Describes the responsiveness of the system to various user interactions with it
NFR-5	Availability	New module deployment should not impact the availability of existing modules and their functionalities. Ensures high availability of database servers
NFR-6	Scalability	The whole software deployed must be easily scalableas the customer base increases IBM Container in Docker Registry is highly scalable