Project Design Phase – II
Functional Requirements

Date	31 October 2022
Team ID	PNT2022TMID52607
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 own application Form. Registration through Google account.
FR-2	User Authentication andConfirmation	Confirmation via Email if registered using application form
FR-3	Product management	Track information about the most demand products,products in stock and the suppliers information.
FR-4	Historical Data	Data of everything should be stored for analytics and forecasting.

FR – 5	Security Policy	User data collected must be as secure as possible.User data are encrypted and the password are hased using SHA-256. User data must not be misused. They can only be used for user preferred advertising purposes.

Non-Functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI should be accessible to everybody despite of these diversity in languages.
NFR-2	Security	The security requirements deal with the primary security. Only authorized users can access the system with their credentials. Administrator or the concerned security team should be alerted on any unauthorized access or data breaches so as to rectify it immediately.
NFR-3	Reliability	The software should be able to connect to the database in the event of the server being down due to a hardware or software failure.

		The users must me intimated by the periodic maintenance break of the server so that they will be aware of it.
NFR-4	Performance	Performance of the app should be reliable with high-end servers on which the software is running.
NFR-5	Availability	The software should be available to the users 24/7 with all functionalities working. New module deployment should not impact the availability of existing modules and their functionalities.
NFR-6	Scalability	The whole software deployed must be easily scalable as the customer base increases.