

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

Date	14 October 2022
Team ID	PNT2022TMID12683
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)
FR-1	User Registration	Registration through Form
FR-2	User Login	Login through Form
FR-3	Add and delete inventory	Get the details through form and store it in the database
FR-4	Update inventory	Get the details through form and update it in the database
FR-5	View Details	Display the details according to the query
FR-6	Alert Mail	Notify the retailers through SendGrid
FR-7	Logout	Logs out by clicking the logout button

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Everyone should be able to use the UI regardless of their language preferences.  The app's UI and platform should match the device. independent. It should work with a variety of potential range of gadgets  People with certain disabilities should additionally able to easily use the application. (Example, Google Assistant should be included so that blind persons utilise it).
NFR-2	<b>Security</b>	Access permissions for the particular system information may only be changed by the system's data administrator.In
NFR-3	<b>Reliability</b>	In the event that the server fails due to software or hardware failure, the software should be able to connect to the database.
NFR-4	<b>Performance</b>	The app's performance should be dependable, with the software running on high-end servers.

NFR-5	<b>Availability</b>	The software should be available at all the time. Deployment of a module should not affect the functionalities of existing modules.
NFR-6	<b>Scalability</b>	As the customer base evolves, the comprehensive software solution must be robust and scalable.