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

Date	3/11/2022
Team ID	PNT2022TMID31573
Project Name	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 Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with user name Login with password Login with Email Login with mobile number
FR-4	Profile Update	Collect Customer details and store in database Collect product details and update stock Collect sales details and update stock
FR-5	Uploading Data	In order to visualize sales and forecast available stock, upload the obtained dataset to the IBM Cognos tool.
FR-6	Searching	Customer looking for required item Unless an item is sold out, look for a product.
FR-7	Review	Customer comments are gathered A retailer follows the fundamentals of review to create satisfied customers.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The retailer tries to maintain enough inventory on stock to make happy customers hence customers are satisfied. The model is supported on both desktop and mobile browsers.
NFR-2	**Security**	It is safe enough because only users with valid login information can access the website. Customers who enter incorrect login information are rejected.
NFR-3	**Reliability**	The model can be trusted to prevent overstocking or unsold. Guarantees precise inventory validation. Order delays are avoided. Cut back on excess inventory.

NFR-4	**Performance**	A system has accurate information on stock sales, making it possible to forecast dead stock and extremely profitable stock. This aids retailers in maintaining significant stock levels.
NFR-5	**Availability**	Any type of retail store could use the model. It can provide shops with real-time access to stock levels and aid in preventing excess inventory.
NFR-6	**Scalability**	Increases the number of clients who can access at once. The database is regularly updated with sold-out stock. Customers' feedback is used to enhance the model.