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

Date	17 October 2022
Team ID	PNT2022TMID22070
Project Name	Project – Retail Store Stock Inventory Analytics
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 Registration through LinkedIN
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	Upload the collected dataset in IBM cognos tool to visualize the sales and predict the available stock
FR-6	Searching	User searching for required item If item out of stock search related item
FR-7	Review	Customers feedback is taken Retailer takes steps on basics of review to make happy 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**	The model is secure enough as only the users with verified credentials can make login to the website. Users with invalid login details are declined.
NFR-3	**Reliability**	The model is reliable to avoid over or under stocking. Ensures accurate inventory validation. Prevents order Delays. Reduce Dead Stock.
NFR-4	**Performance**	The database contains the reliable details of stock sold and hence can predict the dead stock and highly profitable stock. This helps retailer to make considerable stock to be maintained.
NFR-5	**Availability**	The model can be suitable for all kinds of retail store. It can give retailers real-time visibility into stock levels and helps to avoid stock outs.
NFR-6	**Scalability**	Enables more number of customers to access at same time. Database is been updated with stocks sold out frequently. Review from customers are taken to improvise the model.