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

Date	03 October 2022
Team ID	PNT2022TMID41139
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 via form • Login via Email
FR-4	Stock Updating	• Adding/Removing Stocks • Generating barcodes for products
FR-5	Stock Management	• Predicting Out of stock and less brought stocks • Periodic generation of reports using Cognos analytics tool • Notification of the product regarding out of stock and expiry
FR-6	Billing Management	• Fast billing through barcode • Quick generation of invoice after tax calculation • Discounts based on credit points

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• Prediction of stocks reduce out of stocks and cost • Compatible with mobile and desktop
NFR-2	**Security**	• Authentication of users to defend against other users • People without proper credentials cannot access the application
NFR-3	**Reliability**	• Provides Accurate Stock prediction • Reduce loss for retailer • Notification system for expiry and out of stock products

NFR-4	**Performance**	- Instant invoice generation using barcode - Improved accuracy in sales prediction - Real time report generation - Working on large sets of data
NFR-5	**Availability**	- Accessible by all devices - Suitable for all kind of retail stores - Real time visibility into stock levels
NFR-6	**Scalability**	- Many Retailers can access the application without any issues - Allows adding of new features