PROJECT DESIGN PHASE-II
SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)

DATE	14 October 2022
TEAM ID	PNT2022TMID9262
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	Add product	Generate new product ID Enter the product name Enter Product price Enter Category Enter the stock limit (To notify if stock is less)
FR-2	Update product	Enter the product ID
FR-3	Delete product	Enter the product ID
FR-4	View products	View by product ID View by alphabetical order View by Category
FR-5	Add Category	Enter the category name
FR-6	Update Category	Select the Category name
FR-7	Delete Category	Select the Category name
FR-8	View Category	View by Category
FR-9	Order product	Enter Customer details Enter Product ID Enter Quantity Add to Bill data store
FR-10	View Summary	View Total orders View Stock details View Sales details (growth graph)
FR-11	View Bills	View by date View by customer View by amount

FR-12	Add Employee	Enter employee details Generate Login credentials
FR-13	Update Employee	Enter Employee user name
FR-14	Delete Employee	Enter Employee user name
FR-15	View Profile	Enter Employee user name
FR-16	Notify on low stock	Generate Message and display on home screen
FR-17	Add daily purchase	Enter the product ID Enter quantity

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Easy to understand, learn and use.The application interfaces are designed with end users in mind so that they are intuitive to use.
NFR-2	**Security**	Users' details need to be secure and safe, so that various algorithms from cryptography can be used to keep all the data confidential and Data integrity should be achieved at any cost.
NFR-3	**Reliability**	If there is any disaster, then it should be recovered in least time and the data should be maintained consistently.
NFR-4	**Performance**	The system needs to speed enough to assist the retailer.
NFR-5	**Availability**	The application should be language and platform independent.
NFR-6	**Scalability**	Even if new branches are added, the system should be capable of maintaining the records without any discrepancies.