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

Team ID	PNT2022TMID40086
Project Name	Retail Store Stock Inventory Analytics

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 to IBM cloud
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Login with usernameLogin with password
FR-4	Profile update	Update the user credentialsUpdate the Contact details
FR-5	Uploading Data	Collect the customer details as well as product details Upload the product details into IBM cloud object storage.
FR-6	Recommendation	The user will get the recommendation about the products in the dashboard.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	They are used to have enough inventory to capture every possible sale while avoiding overstock and minimizing expenses.
NFR-2	**Security**	This can be used only by the users who have theirproper login credentials in the IBM cloud
NFR-3	**Reliability**	Avoid over or under stocking Ensure accurate inventory valuation Prevent order delay Reduce dead stock
NFR-4	**Performance**	From this, the model can predict the dead stocks and highly profitable stocks. The accuracy of this model will be ensured by checking multiple times by using random forest algorithms, etc..
NFR-5	**Availability**	It can give retailers real-time visibility into stock levels, avoid stock outs, keep inventory carrying costs low and help meet customer expectations
NFR-6	**Scalability**	More users can be accessed at the same time without any issues. The feedback of the users will be taken and be proceeded further up to the satisfaction of the user.