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

Team ID	PNT2022TMID12454
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 to IBM cloud
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Login with username with password
FR-4	Profile update	Update the user credentialsUpdate the Contact details
FR-5	Admin Management	Add or remove retailers. Maintains retailer details.
FR-6	Sales Forecasting	Visualize the sales of the product from past data Predict customers demand
FR-7	Report Generation	Displays the warehouse details in the dashboard. Notifies if stock is inadequate.

Non-functional Requirements:

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

NFR Non-Functional Requirement Description No.

NFR-2 Security This can be used only by the users who have their proper login credentials in the IBM cloud

NFR-1	Usability	They are used to have enough inventory to capture every possible sale while avoiding overstock and minimizing expenses.
NFR-3	Reliability	Avoid over or under stocking Enssure 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.