

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

Date	14 October 2022
Team ID	PNT2022TMID07268
Project Name	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 username Login with password
FR-4	Profile update	Update the user credentials Update the Contact details
FR-5	Uploading Data	Collect the customer details as well as product details Upload the product details This model predicts the best sold products and also it analysis the available stocks
FR-6	Recommendation	User will request for Item Get the Item recommendations
FR-7	Ratings and Reviews	The user i.e retailer of any shop can give their ratings and view of this models

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	They are more likely to have enough inventory to capture every possible sale while avoiding overstock and minimizing expenses. This model can be supported on both desktop and mobile browsers.
NFR-2	Security	This can be used only by the users who have their proper login credentials. It is impossible to go around authentication.
NFR-3	Reliability	Avoid over or understocking Accurate stock prediction Ensure accurate inventory valuation Prevent order delays
NFR-4	Performance	In a departmental store, the billing technique is digitalized. The database of the customer that is the name of the customer, mobile number, address and

		the purchase details of the customer are included in the dataset. 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. It will give accurate efficiency with the given sales stock.
NFR-5	Availability	This model is suitable for all kind of retail stores. It can give retailers real-time visibility into stock levels, avoid stockouts, keep inventory carrying costs low and help meet customer expectations
NFR-6	Scalability	More number of 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.