

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

Date	03 October 2022
Team ID	PNT2022TMID01782
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 and other information
FR-5	Uploading Data	<ul style="list-style-type: none">Gather information on the customer as well as the goods. Publish the product information.This model forecasts the top-selling products and analyses the stocks that are currently on hand.
FR-6	Visualization	The user will make an item request. Analyse about the requested items.
FR-7	Feedback	The consumer, or retailer, of any store, is free to rate and comment on these models.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	They seem to be more likely to avoid overstocking and save costs while maintaining a enough inventory to capture every potential transaction. Mobile and desktop browsers may both support this concept.
NFR-2	Security	Only users with the right login credentials may use this.
NFR-3	Reliability	<ul style="list-style-type: none">Do not overstock or understock.Make sure inventory valuations are accurate.Stop order delays

		<ul style="list-style-type: none"> • minimise dead stock
NFR-4	Performance	<ul style="list-style-type: none"> • A retail shop uses a digital billing system. The customer database, which includes the customer's name, phone number, address, and purchase information, is included in the dataset. • The model can forecast both dead stocks and extremely successful stocks based on this. This model's accuracy will be checked several times to be sure.
NFR-5	Availability	<ul style="list-style-type: none"> • All types of retail stores can use this concept. It can provide retailers with real-time stock visibility, help them avoid stock outs, and keep their inventory carrying costs low. • Assists in satisfying client demands
NFR-6	Scalability	There are no problems when more users are logged in at once. The user's feedback will be considered and furthered till the user is satisfied.