

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

Date	03 October 2022
Team ID	PNT2022TMID21488
Project Name	Retail Store Stock Inventory Analysis
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	<ul style="list-style-type: none">• Registration through Form• Registration through Gmail• Registration through LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">• Confirmation via Email• Confirmation via OTP
FR-3	Data Collection	<ul style="list-style-type: none">• Collecting user data in a secure way for better shopping with beneficial recommendations.
FR-4	Data Analysis	<ul style="list-style-type: none">• Analysing sales reports and finding out products that are best sold and undersold.
FR-5	User Recommendation	<ul style="list-style-type: none">• Recommending the user with his favorite products based on user data and also frequently bought ones.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• The site shall be accessible via Mobile and Desktop so that the user is not restricted to anything.
NFR-2	Security	<ul style="list-style-type: none">• Enabling two-factor authentication to prevent cyber attacks.• Tracking the user's activity in a secure and trusted way that none of the user's data is misused.
NFR-3	Reliability	<ul style="list-style-type: none">• The website loads efficiently and makes sure the algorithms used for analysis are providing precise results and actually helps the user in making better decisions.• The system eliminates overstock or understock problems.
NFR-4	Performance	<ul style="list-style-type: none">• Performance of the system is top notch while still maintaining a pleasing experience to the user.• Providing a faster analytical report on the desired stock in the inventory.
NFR-5	Availability	<ul style="list-style-type: none">• The website is available all the time with minimal downtimes.• The products are mostly in stock for the users to purchase.
NFR-6	Scalability	<ul style="list-style-type: none">• The system is suitable for a wide range of retailers from small scale to large scale and provides precise results on analysis.• The system uses different algorithms that best suit the needs of the retailer be it small or large.