

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

Date	26 October 2022
Team ID	PNT2022TMID12898
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	Registration through Form Registration through Gmail Registration through LinkedIn Registration through the website(created for specific store)
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Log in with User id /Username and Password
FR-4	Profile Update	Update the user credentials and contact details
FR -5	Uploading data	After collecting all user details and product details, uploading the details
FR - 6	Data Management	Based on the products availability and price updating the data frequently using deep learning to avoid miscommunication
FR - 7	Recommendation	The user will request the item. Get the item recommendations.
FR - 8	Notification	Based on the availability notifying the retailers as well as customers
FR - 9	Payment	For customers there are many types of secure billing will be prepaid as debit or credit card, postpaid as after delivery, cash on delivery
FR - 10	Review	Customers can give their ratings and review.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have user-friendly interface. So that each user can customize for their needs. They are more likely to have the right amount of inventory for tracing.
NFR-2	Security	This can be used only by users who have their correct login credentials
NFR-3	Reliability	It avoids under or over stocking..Ensure accurate inventory valuation.
NFR-4	Performance	The system provides the analysis quickly since it uses visualization and prediction techniques. This model can predict deadstock as well as highly profitable stock
NFR-5	Availability	Users should be able to access the system across the world. To achieve this needed a reliable network and servers. This system can give retailers visibility to stock levels etc
NFR-6	Scalability	The system should support the dataset which varies according to the users. Many users can access it at the same time without any issues