

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

Date	12 October 2022
Team ID	PNT2022TMID36407
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.
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 project is 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	Analytics and Reports	Collect data from modules Run informative dashboard Allow custom reports creation

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Retail Management system is required to have a simple and user-friendly interface, and allow to customize the interface and dashboard for individual users. The system must fully support languages that business operates on and allow to import and export of data in .csv and spreadsheet file formats.
NFR-2	Security	The system restricts access to client data, analytics, and reports to only authorized users. The rights to add or correct data must be restricted for individual employees. Financial data must be secured with two-factor authentication. Data relative to the latest operational year must be duplicated on a reserve server.
NFR-3	Reliability	This application we can use for low level ram. It donot consume more storage.

NFR-4	Performance	The system must be capable of handling 100 employee accounts and 10000 orders per day without affecting its performance.
NFR-5	Availability	The availability of the system must be not less than 99.999% during the retail working hours, and not less than 95% round-the-clock for the e-commerce module.
NFR-6	Scalability	The system must support implementing new features and modules without disrupting existing processes. The system must support horizontal scaling for launching new retail stores with multiple POS.
NFR-7	Maintainability	System maintenance must run without shutting down or in automated mode during non-working hours.