

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

Date	27 October 2022
Team ID	PNT2022TMID21204
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 using Gmail or LinkedIn account or through form
FR-2	User Confirmation	<ul style="list-style-type: none">Confirmation via Email
FR-3	User Login	<ul style="list-style-type: none">Login using Email
FR-4	Stock Updating	<ul style="list-style-type: none">Checking the stocks availableAdding/Removing StocksGenerating barcodes for products
FR-5	Stock Management	<ul style="list-style-type: none">Analyze the stocksNotify about the stocks whenever requiredSend email before hand about the expiry and stocks that are going to finish
FR-6	Billing Management	<ul style="list-style-type: none">Analyze the billing items and altering the stocksUsing barcodes for fast billing

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">Used to check various information about the stocksCan be used in different devices
NFR-2	Security	<ul style="list-style-type: none">Use of username and password for logging inUse of email otp each time when logged in a new device
NFR-3	Reliability	<ul style="list-style-type: none">Analyze and display the accurate number of stocks availableNotify whenever required about the stocks

NFR-4	Performance	<ul style="list-style-type: none"> • Accurate number of stocks • Notifications sent on time • Storing large sets of data
NFR-5	Availability	<ul style="list-style-type: none"> • Stock information can be viewed whenever required • Stock information updated now and then
NFR-6	Scalability	<ul style="list-style-type: none"> • Can be logged in different devices • Allows adding of new features