

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	9 October 2022
Team ID	PNT2022TMID01070
Project Name	Project – Retail Store Stock Inventory Analytics

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 FormRegistration through GmailRegistration through LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">Confirmation via EmailConfirmation via OTP
FR-3	User Login	<ul style="list-style-type: none">Login via formLogin via Email
FR-4	Stock Updating	<ul style="list-style-type: none">Adding/Removing StocksGenerating barcodes for products
FR-5	Stock Management	<ul style="list-style-type: none">Predicting Out of stock and less brought stocksPeriodic generation of reports using Cognos analytics toolNotification of the product regarding out of stock and expiry
FR-6	Billing Management	<ul style="list-style-type: none">Fast billing through barcodeQuick generation of invoice after tax calculationDiscounts based on credit points

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">Prediction of stocks reduce out of stocks and costCompatible with mobile and desktop
NFR-2	Security	<ul style="list-style-type: none">Authentication of users to defend against other usersPeople without proper credentials cannot access the application
NFR-3	Reliability	<ul style="list-style-type: none">Provides Accurate Stock predictionReduce loss for retailerNotification system for expiry and out of stock products

NFR-4	Performance	<ul style="list-style-type: none"> • Instant invoice generation using barcode • Improved accuracy in sales prediction • Real time report generation • Working on large sets of data
NFR-5	Availability	<ul style="list-style-type: none"> • Accessible by all devices • Suitable for all kind of retail stores • Real time visibility into stock levels
NFR-6	Scalability	<ul style="list-style-type: none"> • Many Retailers can access the application without any issues • Allows adding of new features

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