

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

Date	19 October 2022
Team ID	PNT2022TMID04960
Project Name	Project – 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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login using User id Login using Email Login using Password
FR-4	Stock management	Adding or Removing stocks based on the users needs. Analyse the stock details periodically. Generate different barcodes for different products.
FR-5	Billing	Billing will be made easier through barcodes. Receipt Generation.

FR-6	Review	Customer can give reviews on the product.
------	--------	---

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	An analytics platform helps you understand your customers. It allows you to save on costs. It helps you improve your store's indoor conditions.
NFR-2	<b>Security</b>	Protecting digital information from unauthorized access, corruption, or theft throughout its entire lifecycle.
NFR-3	<b>Reliability</b>	Prevents from loss. Helps in stock prediction.
NFR-4	<b>Performance</b>	The solution offers lower request time for any request processed. Receipt Generation.
NFR-5	<b>Availability</b>	Can be used by both retailers and customers for all devices. The solution understands the request made to server to provide efficient results by prioritizing the request made and load balancing.

NFR-6	<b>Scalability</b>	<p>Proposed solution offers higher compatibility with any kinds of working environment.</p> <p>Easier for disk space management and obtaining results.</p> <p>Works with lesser down time when new functional are being tested and added to solution.</p>
-------	--------------------	---