

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

Date	15 October 2022
Team ID	PNT2022TMID19193
Project Name	Inventory Management System for Retailer

**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 Email
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Log into the application by entering the Email and Password
FR-4	Dashboard	View the stock availability
FR-5	Add items to cart	They can add product to the cart is they wish to buy.
FR-6	Stock Update	If the product is unavailable, they can add it to Wishlist.
FR-7	Records of the products	Product name Product category Product I'd Stock Count Vendor details
FR-8	Unavailability Alert	Alert Message through mail or phone number.

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<ul style="list-style-type: none"><li>• Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock.</li><li>• They can view details of the current inventory.</li><li>• The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock.</li><li>• It can use by wide variety of client as it is very simple to learn and not complex to proceed</li><li>• Easy to use, User-friendly and Responsive</li></ul>
NFR-2	<b>Security</b>	<ul style="list-style-type: none"><li>• Applications have been developed to help retailers track and manage stocks related to their own products. The System will ask retailers to create their accounts by providing essential details.</li><li>• Retailers can access their accounts by logging into the application.</li><li>• With Registered Mail id only retailers can log into the application.</li><li>• We are using login for the user and the information will be hashed so that it will be very secure to use.</li></ul>
NFR-3	<b>Reliability</b>	<ul style="list-style-type: none"><li>• It will be reliable that it can update with very time period so that the accuracy will be good.</li></ul>
NFR-4	<b>Performance</b>	<ul style="list-style-type: none"><li>• User can track the record of goods</li><li>• Inventory tracking helps to improve inventory management and ensures that having optimal stock available to fulfill orders.</li><li>• Reduces manpower, safe and secure .</li><li>• Emails will be sent automatically When stocks are not available.</li><li>• Makes the business process more efficient.</li><li>• Improves organizations performance.</li></ul>
NFR-5	<b>Availability</b>	<ul style="list-style-type: none"><li>• The availability of product is just one way in which an inventory management system creates customer satisfaction.</li><li>• Inventory management systems are designed to</li></ul>

		<p>monitor product availability, determine purchasing schedules for better customer interaction.</p> <ul style="list-style-type: none"> <li>• Prediction will be available for every user but only for premium user news, database and price alert will be alert</li> </ul>
NFR-6	<b>Scalability</b>	<ul style="list-style-type: none"> <li>• They should use an automated inventory management system for inventory tracking.</li> <li>• This will make your business much more scalable so that you can continue building consistent growth and take advantage of increased sales.</li> </ul>