

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

Date	03 October 2022
Team ID	PNT2022TMID48534
Project Name	Project - Inventory management for retailers
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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	Inventory Management Software	i) It allows you to automate the tracking process and saves you a substantial amount of time. ii) Software is integrated with retail <b>POS</b> ,so your inventory count is displayed in real time.
FR-4	Set up stock alerts	i) It helps in preventing the product shortages at your retail store. ii) By using this user can select the minimum inventory for each of the products and get <b>alerts</b> when items are near or below the threshold.
FR-5	Implement <b>SKU</b> management practices	It is the process of analyzing the carrying cost for each SKU item to determine which products are best serving your business.
FR-6	Optimize the order size	Analyzing the <b>retail metrics</b> , which you can easily do with <b>data analytics tools</b> in your <b>POS</b> ,gives you insight into how you should create purchase orders.
FR-7	Drop shipping	A retail fulfillment method where the store doesn't hold inventory,instead products are shipped from the manufacturer to customer.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	i) Keep track of your inventory and offers a centralized view of stock. ii) Preventing dead stock. iii) optimizing storage cost. iv) reducing purchase cost of goods.

NFR-2	<b>Security</b>	<p>i) It ensures the safety and optimum management <b>control of stored goods.</b></p> <p>ii)It is secured by <b>locking and monitoring</b> the inventory.</p>
NFR-3	<b>Reliability</b>	It enhances <b>gross profits</b> and net profits by reducing the cost of procured pharmaceutical products and associated operational expenses.
NFR-4	<b>Performance</b>	<b>Higher performance level</b> is assured in vcloud based inventory management.It continuously updates stock levels,so you always know how much stock you have on your hand.
NFR-5	<b>Availability</b>	It understands the demand of today's fast paced business world and the need for <b>Optimization</b> putting all your inventory information right at your fingertips.
NFR-6	<b>Scalability</b>	The <b>SaaS</b> mode makes it possible to <b>expand or reduce software functionalities</b> whenever required to adapt the changing needs of the logistics facility.