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

Date	15 October 2022
Team ID	PNT2022TMID29793
Project Name	Inventory Management System 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	Easy Inventory Management	The software makes the process of inventory management a lot easier which saves money and time both. It assists to automate the business processes and guides to make smarter decisions.
FR-2	Inventory Reports	The software is meant to generate automated reports. You can get any report such as a low stock report, inventory validation report, inventory forecast report.
FR-3	Productivity and Efficiency	Inventory management software enables us to increase productivity and efficiency by implementing automated daily manual tasks. This will assist you to maximize the growth of your business. The software saves uncountable hours and gives the opportunity to print shipping labels, process and dispatch orders, manage stock, create and update the listing on the system.
FR-4	Avoid Stock-outs and Over-stock	When it comes to maintaining the balance sheet of inventories and its management, it is a difficult and challenging task to handle. Case of less stock leads to stock-out which not only disrupt customer relation but cause a possible loss whereas in case of over-stock its storage creates a problem. With inventory management software installed, you can set a limit for re-ordering so that stock when drops it gets automatically re-ordered.
FR-5	Inventory Alerts	Various modules trigger inventory alerts that help reduce waste, optimize inventory financials and manage customer expectations. These features include automated email or SMS messages that alert you to low inventory levels and shipment and supply chain delays. Inventory alerts offer an added level of operational control for sales forecasting, materials planning, shipping logistics and supplier management.
FR-6	Inventory Barcoding	Barcoding software helps eliminate data entry errors and automate business functions that require communication with other parts of the system. Collecting, storing and organizing digital inventory data makes inventory operations faster and more accurate.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability examines the effectiveness of the inventory software. If it takes hours for your staff to learn the software, then it's not worth it. You should remember to choose a solution that simplifies inventory management.
NFR-2	**Security**	Inventory security is the process of ensuring the safety and optimum management control of stored goods. It is of central importance for optimum warehouse management because the performance of a company stands or falls with the safety and efficiency of a warehouse.
NFR-3	**Reliability**	Improving inventory reliability is important for several reasons. Your delivery reliability depends on it, but also consider the costs involved.
NFR-4	**Performance**	Inventory Performance is a measure of how effectively and efficiently inventory is used and replenished. The goal of inventory performance metrics is to compare actual on-hand dollars versus forecasted cost of goods sold.
NFR-5	**Availability**	Inventory availability refers to whether a specific item is available for customer orders. Additional information provided by retailers may include the quantity available. If the item is not in stock, the retailer may indicate its status
NFR-6	**Scalability**	The inventory management software or app you choose be able to grow as your business does? The last thing you want is to have to manually re-enter all your inventory if you outgrow your current system.