

Project Design Phase - 2
Solution Requirement (Functional and Non - Functional)

Date	27- 10 - 2022
Team ID	PNT2022TMID34971
Project Name	Inventory management for retailers

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This system is really used as it can able to maintain stocks and product deliverables without any sorts of complications and ensure accurate recordkeeping. An Inventory solution makes these processes easier than trying to do them all manually.
NFR-2	Security	This system is highly secured enough to keep our product data confidential. No unauthorized access may get into the data of the system.
NFR-3	Reliability	In this project no loss in product information and every data would be available straight a way to the retailer.
NFR-4	Performance	In this project there is no lagging in the system performance because product data are deployed in cloud storage. And also the functionality and maintenance of the system is ease of use.

NFR-5	Availability	This system provided by retailers may include the quantity available. If the item is not in stock, automatically email would be sent to indicate its status.
NFR-6	Scalability	There is an massive storage device for storing the product & costumer information in cloud storage.

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR NO.	FUNCTIONAL REQUIREMENTS (EPIC)	SUB REQUIREMENT (STORY/SUB-TASK)
FR-1	Data entry	Enter the product name Quantity of the product Cost of the product
FR-2	Cloud deployment	Storing the product information in hierarchy manner. IBM db2 cloud space would be used.
FR-3	Monitoring	Monitor product details. Scan purchase product using barcode scanner.
FR-4	Sending emails	Mail should be generated to indicate low availability of product. Mail would reach to the particular concern.

