

Solution Requirements (Functional & Non-functional)

Date	22 October 2022
Team ID	PNT2022TMID37106
Project Name	Project – Inventory management system
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 own application Form Registration through Gmail Registration through LinkedIn Registration through Google Docs.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login through User name and password. Login through mail ID and password. Login through OTP through mail ID and password. Login through Phone number.
FR-4	Records of the containment zones	Zones name . Containment infections category in levels. Infected people count. Zone details .
FR-5	Login details	Login Details along with time through Email. Login Details along with time through phone number.
FR-6	Updation of zones Details.	Update through Email Update through User account.
FR-7	Monitoring of zones	Monitoring of zones through collecting data from trustworthy resources.
FR-8	Database	Usage of a standard database for storing the data.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• Once Retailers successfully log in to the application, they can update the inventory details and they can add new stocks.• They can view details of the current inventory.• In case the stock amount decreases below a particular stage, an automatic alert message will be sent.• It will be user friendly.• More secure.
NFR-2	Security	<ul style="list-style-type: none">• This application is common to everyone.• It will analyse the login details in a more secure manner.• We are using login for the user and the information will be hashed so that it will be very secure to use.• The stock details will be accessed in a secure manner.
NFR-3	Reliability	 It will be reliable that it can update with every time period so that the accuracy will be good.
NFR-4	Performance	<ul style="list-style-type: none">• Users can track the record of the available products using the application.• Inventory tracking helps to improve inventory management allotment system and ensures that the data about the inventory are accurate.• Reduces manual searching and saves time.• Acknowledgement will be sent when stocks are not available.• Makes the searching process more efficient and simple.• Improves application's performance.• It will perform fast and secure even at the lower bandwidth .

NFR-5	Availability	<ul style="list-style-type: none"> • The main purpose of the application is to provide customer satisfaction. • Inventory management application is to designed to monitor product availability and quality.
NFR-6	Scalability	<p>Scalability is an aspect or rather a functional quality of a system, software or solution. This proposed system for inventory management system can accommodate expansion without restricting the existing workflow and ensure an increase in the output or efficiency of the process</p> <p>It is scalable that we are going to use data in kilobytes so that the quite amount of storage is satisfied</p>

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