

Project Design Phase – II

Functional Requirements

Date	03 November 2022
Team ID	PNT2022TMID07456
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

Functional Requirements:

FR. No.	Functional Requirement	Sub Requirement (Story/Sub-Task)
FR-1	User Registration	Registration through E-mail. Registration through Phone Number. One-Tap Google Sign-in.
FR-2	User Authentication and Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	Product management	Quickly production of reports. Track information of products. Track information of suppliers and manufacturers of the product.
FR-4	Audit Monitoring	The technique of tracking crucial data is known as audit tracking. Track financial costs incurred throughout the entire period
FR-5	Historical Data	All data should be stored for analysis and forecasting.
FR -6	CRM (Customer Relationship Management)	Track the customer experience via ratings given by them. Get customer reviews regularly or at least at the time of product delivery to work on customer satisfaction. User-friendly GUI to increase the number of repeat customers.

Non-Functional Requirements:

The non-functional requirements of the proposed solution are as follows,

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<p>The UI should be accessible to everybody despite of there diversity in languages.</p> <p>People with certain disabilities can also use the app easily. (Example: Integrate Google Assistant so that Blind people can use it).</p>
NFR-2	Security	<p>Security requirements deal primarily with security. Only authorized users can access the system with their credentials.</p> <p>The administrator or security team should be alerted to any unauthorized access or data breach so that it can be remedied immediately.</p>
NFR-3	Reliability	<p>The software should be able to connect to the database in the event of the server being down due to a hardware or software failure.</p> <p>The users must be intimated by the periodic maintenance break of the server so that they will be aware of it.</p>
NFR-4	Performance	<p>Application performance should be reliable with high-end servers running the software.</p>
NFR-5	Availability	<p>The software should be available to the users 24/7 with all functionalities working.</p> <p>The software should be available to the user irrespective of the user's location. It must be global.</p>
NFR-6	Scalability	<p>The whole software deployed must be easily scalable according to the customers requirement.</p>