Project Design Phase – II
Functional Requirements

Date	15 October 2022
Team ID	PNT2022TMID32248
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

Functional Requirements:

The functional requirements of the proposed solution are as follows,

FR. No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
FR-1	User Registration	Registration through registration form. Registration through One-Tap Google Sign-in.
FR-2	User Authentication and Confirmation	Authentication via Google Authentication. Confirmation via Email. Confirmation via OTP.
FR-3	Product management	Easily track product information. Quickly produce reports for single or multiple products. Track information of dead and fast-moving 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. Monitor the financial expenses carried out throughout the whole time (from receiving order of the product to delivery of the product).
FR-5	Historical Data	Specify the amount of storage you need to handle this expansion. Data of everything should be stored for analytics and forecasting.

FR – 6	CRM (Customer Relationship Management)	Track the customer experience via ratings given by them.
		Get customer reviews regularly or atleast at the time of product delivery to work on customer satisfaction.
		User-friendly GUI to increase the customer base from only techies to normal people.
		Special offers for regular customers has to be provided through credits in the web-app itself.
FR - 7	Security Policy	User data collected must be as secure as possible.
		User data must not be misused. They can only be used for user preferred advertising purposes.

Non-Functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI should be accessible to everybody despite of there diversity in languages.
		People with some impairments should also be able to use the application with ease. (Example, integrate google assistant so that blind people can use it).
		The app and UI should be platform and device independent. It should be compatible with wide range of devices possible.
NFR-2	Security	The security requirements deal with the primary security. Only authorized users can access the system with their credentials.
		Administrator or the concerned security team should be alerted on any unauthorized access or data breaches so as to rectify it immediately.
NFR-3	Reliability	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.

		The recovery of the application should be immediate such that the downtime of the application should be negligible. The users must me intimated by the periodic maintenance break of the server so that they will be aware of it.
NFR-4	Performance	Performance of the app should be reliable with high-end servers on which the software is running.
NFR-5	Availability	The software should be available to the users 24/7 with all functionalities working. New module deployment should not impact the availability of existing modules and their functionalities.
NFR-6	Scalability	The whole software deployed must be easily scalable as the customer base increases.