Requirement Gathering and Analysis Phase
Solution Requirements (Functional & Non-functional)

Date	06-07-2024
Team ID	PNT2022TMID1720168902
Project Name	Project – Food Ordering
Maximum Marks	3 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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Login through Gmail
FR-4	Search for Food Item	Search by Location Search by Price Range Search by Dish Type Navigate to Locations Based on Price Range
FR-5	Filtering	Filter by Price Range Filter by Location
FR-6	Restaurant Posting	Post a Restaurant Include food item list Include location on Map Include distance from School, iconic places, bus stop Include Pet Policy Include restaurant type Include Description and Images Upload Images
FR-7	Messaging System	Real-Time Messaging Chats Message Restaurant management
FR-8	User Dashboard	View saved Items View Posted Items
FR-9	Save Posts	Save Food Items to Favourites
FR-10	Notifications	Notify users on Messages Notify users on updated on Restaurant

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application should have an intuitive, user-friendly interface and be responsive across device
NFR-2	**Security**	Security handling of user data, including encryption for data storage and transmission, secure authentication, and encrypted real-time messaging.
NFR-3	**Reliability**	Ensure data consistency and integrity, implement error handling, data backup, and recovery mechanisms, and provide informative error messages.
NFR-4	**Performance**	Fast response times for searches, postings, and messaging. Optimize backend efficiency and use caching to handle high traffic volumes.
NFR-5	**Availability**	24/7 availability with minimal downtime. Implement high availability architecture with load balancing and failover strategies.
NFR-6	**Scalability**	Ability to scale horizontally and vertically to accommodate growth. Use scalable architecture, such as microservices and cloud-based solutions
NFR-7	**Localization**	Support multiple languages and regions with localization and internationalization features.
NFR-8	**Interoperability**	Ensure the system can interact with other systems and APIs, such as third-party map services, payment gateways, and social media logins.
NFR-9	**Maintainability**	Easy to maintain and update. Use modular, well-documented code, follow coding standards, and implement automated testing.