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

Date	5 JULY 2024
Team ID	SWTID1720171853
Project Name	Project - Food Ordering System
Maximum 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 Form
		Registration through Gmail
		Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email
		Confirmation via OTP
FR-3	User Login	Login through Form
		Login through Gmail
		Login through LinkedIn
FR-4	User Profile Management	View Profile
		Edit Profile
		Change Password
FR-5	Menu Browsing	View Menu Categories
		View Items by Category
		Search Items
FR-6	Order Placement	Add Items to Cart
		View Cart
		Update Cart
		Checkout
FR-7	Payment Processing	Payment via Credit/Debit Card
		Payment via PayPal
		Payment via Digital Wallet

FR-8	Order Tracking	View Order Status
		Track Order in Real-time
FR-9	Order History	View Past Orders
		Reorder from Past Orders
FR-10	Notifications	Order Confirmation Notification
		Order Status Update Notification
		Promotional Notifications
FR-11	Reviews and Ratings	Rate Orders
		Review Items
FR-12	Customer Support	Contact Support via Chat
		Contact Support via Email
FR-13	Admin Management	Manage Users
		Manage Menu Items
		View Reports and Analytics

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should be user-friendly, with an intuitive interface that allows users to easily navigate and perform tasks such as registration, login, browsing menus, placing orders, and making payments. The design should accommodate users of varying technical proficiency and should be accessible on multiple devices, including smartphones, tablets, and desktops.
NFR-2	Security	The system must ensure the confidentiality, integrity, and security of user data. This includes secure handling of payment information, implementation of encryption protocols for data transmission, regular security audits, and compliance with relevant data protection regulations. User authentication should be robust, preventing unauthorized access.
NFR-3	Reliability	The system should function correctly under predefined conditions. It should be able to handle user requests and transactions without failure,

		ensuring that the system is dependable. Error handling should be in place to manage unexpected issues gracefully, and data integrity should be maintained even in the event of a system failure.
NFR-4	Performance	The system should have optimal performance, with quick response times for user interactions. The application should load pages and process transactions within acceptable time limits to ensure a smooth user experience. Performance metrics should be monitored regularly to identify and address any bottlenecks.
NFR-5	Availability	The system should be available to users 24/7, with minimal downtime. Scheduled maintenance should be planned during off-peak hours and communicated to users in advance. High availability should be ensured through redundancy and failover mechanisms to handle unexpected outages.