

## Requirement Gathering and Analysis Phase

### Solution Requirements (Functional & Non-functional)

Date	13 April 2025
Team ID	SWITD1743680479
Project Name	SB Foods - Food Ordering App
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 Form Registration via Gmail Registration via Facebook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login via Form Login via Social Media
FR-4	Restaurant Discovery	Browse by Category/Cuisine Filter by Ratings/Price
FR-5	Menu Viewing	View Menu See Item Details (price, ingredients, image)
FR-6	Cart Management	Add/Edit/Remove Items View Cart Total
FR-7	Order Placement	Select Address and Payment Method Place Order
FR-8	Order Tracking	View Order Status Live Delivery Tracking
FR-9	Order History	View Past Orders Reorder Items
FR-10	Ratings and Reviews	Rate Food and Delivery Add Text Reviews
FR-11	Offers and Discounts	Apply Promo Codes Redeem Loyalty Points
FR-12	Alerts and Notifications	Order Status Notifications New Deals & Offers Alerts

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI should be intuitive and mobile-friendly. Include filters, clear icons, easy access to cart, and a simple checkout flow.
NFR-2	Security	Ensure secure transactions with SSL/TLS encryption, secure login (OAuth2/JWT), and compliance with PCI DSS for payments.
NFR-3	Reliability	The app must handle order requests consistently without crashing or failing. Backup databases and ensure integrity checks.
NFR-4	Performance	Pages should load within 2 seconds. Use caching (e.g., Redis), CDNs for images, and optimize database queries.
NFR-5	Availability	Ensure 99.9% uptime using cloud hosting, autoscaling, failover mechanisms, and proactive monitoring.
NFR-6	Scalability	The system must scale to handle increased users/orders during peak times (e.g., festivals). Use microservices & load balancers.