

## Project Design Phase-II

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

Date	24 June 2025
Team ID	LTVIP2025TMID53161
Project Name	SB Foods - On-Demand Food Ordering Platform
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	<ul style="list-style-type: none"><li>- Registration through Form</li><li>- Registration through Gmail</li><li>- Registration through LinkedIn</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>- Confirmation via Email</li><li>- Confirmation via OTP</li></ul>
FR-3	Product Browsing	<ul style="list-style-type: none"><li>- View food items</li><li>- Filter by category or restaurant</li><li>- Search by keywords</li></ul>
FR-4	Cart Management	<ul style="list-style-type: none"><li>- Add product to cart</li><li>- Update product quantity</li><li>- Remove item from cart</li></ul>
FR-5	Order Placement	<ul style="list-style-type: none"><li>- Select address and payment method</li><li>- Place order</li><li>- Receive confirmation</li></ul>
FR-6	Order History	<ul style="list-style-type: none"><li>- View past orders</li><li>- View current order status</li></ul>
FR-7	Restaurant Dashboard	<ul style="list-style-type: none"><li>- Add/edit/delete food items</li><li>- View orders</li></ul>

FR-8	Admin Dashboard	<ul style="list-style-type: none"> <li>- View/manage users</li> <li>- Approve restaurant profiles</li> <li>- Access reports</li> </ul>
FR-9	Authentication	- Login/Logout for all roles (User, Restaurant, Admin)
FR-10	Notifications	<ul style="list-style-type: none"> <li>- Order confirmation</li> <li>- Delivery status alerts via email/SMS</li> </ul>

### Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI must be intuitive, responsive, and easy to navigate across all devices.
NFR-2	Security	Secure user data using HTTPS, data encryption, and proper authentication flows.
NFR-3	Reliability	The app must function consistently without crashes or data loss.
NFR-4	Performance	All requests should be served under 2 seconds with optimized queries.
NFR-5	Availability	The system should ensure 99.9% uptime for uninterrupted access.
NFR-6	Scalability	The backend should handle increasing numbers of users and restaurants smoothly.