**Project Design Phase-II**

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

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| 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.

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| **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 | Product Browsing | - View food items   - Filter by category or restaurant   - Search by keywords |
| FR-4 | Cart Management | - Add product to cart   - Update product quantity   - Remove item from cart |
| FR-5 | Order Placement | - Select address and payment method   - Place order   - Receive confirmation |
| FR-6 | Order History | - View past orders   - View current order status |
| FR-7 | Restaurant Dashboard | - Add/edit/delete food items   - View orders |
| FR-8 | Admin Dashboard | - View/manage users   - Approve restaurant profiles   - Access reports |
| FR-9 | Authentication | - Login/Logout for all roles (User, Restaurant, Admin) |
| FR-10 | Notifications | - Order confirmation   - Delivery status alerts via email/SMS |

**Non-functional Requirements:**

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

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| **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. |