Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2026TMIDS86089
Project Name	Order On The Go: Your On-Demand Food Ordering Solution
Maximum Marks	4 Marks

Functional Requirements:

The following are the functional requirements of the proposed solution.

Functional Requirements

FR No.	Functional Requirement	Sub Requirement
FR-1	User Registration	Registration via Form Registration via Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Product Browsing	Search by restaurant Filter by category View product details (description, reviews, promotions)
FR-4	Cart Management	Add items to cart Update quantity Remove items View cart summary
FR-5	Order Placement	Provide the delivery address Select payment method (COD, online) Confirm order details
FR-6	Order Tracking & Notification	Real-time order status Push notifications (confirmation, delivery updates)
FR-7	Admin Dashboard	Add/manage products View order history Monitor customer activity Manage promotions
FR-8	Payment Integration	Secure payment gateway (Stripe/Razor pay) Transaction confirmation

Non-functional Requirements:

The following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive UI/UX with responsive design for web and mobile
NFR-2	Security	JWT authentication, encrypted payments, HTTPS, and role-based access
NFR-3	Reliability	Error handling, retry mechanisms, consistent order processing
NFR-4	Performance	Optimized queries, caching (Redis), CDN for faster load times
NFR-5	Availability	Cloud hosting with load balancing, distributed servers for uptime
NFR-6	Scalability	3-tier MERN architecture, microservices for APIs, cloud database (MongoDB Atlas)