

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

Date	11 April 2025
Team ID	SWTID1742575574
Project Name	Grocery webapp
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 through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Product Browsing	View product categories View individual product details Filter and search products
FR-4	Shopping Cart and Checkout	Add to cart Remove from cart Modify quantity Proceed to payment
FR-5	.Address Management	Add new address Edit or delete saved addresses
FR-6	Order Management (User Side)	View order history Track current orders.
FR-7	Seller Dashboard	Add/edit/delete products Manage inventory View orders and sales
FR-8	Admin Dashboard	Manage users/sellers Monitor orders View analytics Handle complaints

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive user interface for smooth navigation and a responsive design for various devices
NFR-2	Security	Customer data, including payment details and personal information, must be protected using industry-standard encryption and secure authentication methods like OTP and email verification.
NFR-3	Reliability	The app will handle system failures gracefully and ensure accurate data transactions
NFR-4	Performance	Optimized for fast load times, with backend efficiency and API response under 500ms.
NFR-5	Availability	24/7 availability with minimal downtime, enabled by robust cloud deployment.
NFR-6	Scalability	Easily extendable with modular architecture and scalable on cloud infrastructure to support a growing user base.