

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

Date	16 June 2025
Team ID	LTVIP2025TMID58401
Project Name	ShopSmart - eCommerce Grocery Web app
Maximum Marks	4 Marks

## Functional Requirements

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	Shopping Cart & Wishlist	- Add product to cart- Remove product from cart- Add product to wishlist- Remove product from wishlist
FR-4	Admin Dashboard	- Add new product- Edit product details- Delete product- View user orders

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## 🔍 Non-functional Requirements

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should have an intuitive and user-friendly interface that is easy to navigate on both desktop and mobile devices.
NFR-2	Security	Secure data transmission using HTTPS, encrypted passwords, and JWT-based authentication.
NFR-3	Reliability	The system should function consistently and handle expected user and admin operations without failure.
NFR-4	Performance	Pages and API calls should load within acceptable response times to ensure a smooth user experience.
NFR-5	Availability	The application should be available at least 99% of the time outside planned maintenance.
NFR-6	Scalability	The system should support scaling to accommodate growing numbers of users and products.

