

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

Date	19-may-2025 To 30- June- 2025
Team ID	LTVIP2025TMID49768
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	4 Marks

Functional Requirements

Following are the functional requirements of the ShopSmart digital grocery solution:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration & Authentication	Allow customers to sign up, log in, and manage accounts securely.
FR-2	Product Browsing & Search	Enable users to browse categories or search for grocery items by keyword.
FR-3	Shopping Cart	Allow customers to add, remove, and update items in their cart.
FR-4	Order Placement & Checkout	Enable users to place orders and process payments securely.
FR-5	Order Tracking	Allow customers to view order status and track delivery.
FR-6	Admin Dashboard	Provide admin interface to manage inventory, prices, and users.
FR-7	Customer Support	Enable support team to manage queries and complaints.

Non-functional Requirements

Following are the non-functional requirements of the ShopSmart digital grocery solution:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly, responsive, and easy to navigate.
NFR-2	Security	User data and payment information must be

		securely stored and transmitted.
NFR-3	Reliability	The system should operate consistently without downtime or data loss.
NFR-4	Performance	Pages and dashboards should load within 2 seconds for optimal UX.
NFR-5	Availability	The platform should maintain 99.9% uptime and be accessible 24/7.
NFR-6	Scalability	The system should handle increasing number of users and orders smoothly.
NFR-7	Maintainability	The codebase should support easy updates and bug fixing.