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

Date	26-05-2025
Team ID	LTVIP2025TMID21098
Project Name	Shopsmart: Your Digital Grocery
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

☑ **Functional Requirements – ShopSmart: Your Digital Grocery Store**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Logout, Password Reset
		JWT token-based secure access
FR-2	Product & Shop Discovery	View featured and regular grocery shops
		Browse categories, search and filter products (by price, brand, etc.)
FR-3	Cart & Order Management	Add/remove items to/from cart
		Place orders, view cart summary, and track order status
FR-4	Shop Owner Dashboard	Shop login to manage inventory and product listings
		Update stock, prices, and order fulfillment status
FR-5	Admin Dashboard	View and manage all shops and customers
		Promote stores, manage categories, approve new shop registrations
FR-6	Order History & Reviews	Customers can view past orders
		Leave reviews/ratings for shops and products (optional)

♡ **Non-Functional Requirements – ShopSmart**

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Clean, responsive UI for users, shop owners, and admin
NFR-2	Security	Secure HTTPS communication, JWT auth, and strict role-based access

NFR-3	Reliability	Ensure shopping cart, payments, and login/logout function without failure
NFR-4	Performance	Load homepage, product list, and cart under 2 seconds
NFR-5	Availability	Maintain 99.9% uptime for backend and frontend services
NFR-6	Scalability	Support future features like delivery integration, wallet, dynamic pricing