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

Date	19/02/2026
Team ID	**LTVIP2026TMIDS39395**
Project Name	**ShopSmart – Digital Grocery Web Application**
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 Management	View product list Search products by category Filter & sort products
FR-4	Shopping Cart	Add product to cart Update quantity Remove product from cart

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application must have a user-friendly and intuitive interface.
NFR-2	**Security**	User data and transactions must be encrypted and securely stored.
NFR-3	**Reliability**	The system should function without crashes and maintain data consistency.
NFR-4	**Performance**	The application should load pages within 3–5 seconds under normal usage.
NFR-5	**Availability**	The system should be accessible 24/7 with minimal downtime.
NFR-6	**Scalability**	The system should handle increasing users and product data efficiently.