

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

Date	20 Feb 2026
Team ID	LTVIP2026TMIDS91056
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	4 Marks

Functional Requirements

User Management

- The system shall allow users to register and log in securely.
- The system shall allow users to update profile information.

Product Management

- The system shall display products by category.
- The system shall allow sellers to add, edit, and delete products.

Cart and Order Management

- The system shall allow users to add and remove items from the cart.
- The system shall allow users to place orders.
- The system shall allow users to track orders.

Payment Processing

- The system shall support secure payment processing.
- The system shall generate payment confirmations.

Admin Management

- The system shall allow admins to manage users and sellers.
- The system shall provide system monitoring features.

Non-Functional Requirements

Performance

- The system should load pages quickly.
- The system should handle multiple users simultaneously.

Security

- The system should use authentication and authorization mechanisms.
- The system should ensure secure transactions and data encryption.

Usability

- The interface should be user-friendly and intuitive.
- The system should provide clear navigation and instructions.

Reliability

- The system should be available with minimal downtime.
- The system should maintain data consistency and integrity.

Scalability

- The system should support future expansion with more users and products.