

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

Date	31 January 2025
Team ID	LTVIP2025TMID55069
Project Name	Shopez - One-stop shop for online purchases
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 Facebook
FR-2	User Confirmation	Confirmation via Email, Confirmation via OTP
FR-3	Product Management	View all products, Search products, Add product to cart
FR-4	Order Management	Place orders, Track order status, View order history
FR-5	Admin Panel	Add, update, and delete products, View all user orders
FR-6	Cart Management	View cart, Remove items from cart, Update product quantity

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should have an intuitive and user-friendly interface.
NFR-2	Security	User authentication via JWT; passwords are hashed using bcrypt.
NFR-3	Reliability	The system should function without failure during peak loads.
NFR-4	Performance	API response time should be under 3 seconds for normal operations.
NFR-5	Availability	The platform should maintain 99.9% uptime for all services.
NFR-6	Scalability	The architecture should support an increasing number of users and products without performance degradation.