Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	24 June 2025
Team ID	LTVIP2025TMID24654
Project Name	Shopez : one-stop shop for online purchases
Mentor Name	Dr Shaik Salma Begam
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 Browsing & Search	Browse by Category Search Products Filter by Price, Category, Rating
FR-4	Cart & Order Management	Add/Remove Products to/from Cart Update Quantity Place Order View Order History
FR-5	Admin Management	Add/Edit/Delete Products Manage Users View All Orders Manage Banners

Non-functional Requirements

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The platform should be intuitive and easy to use for all user types, with a clean and responsive UI.
NFR-2	Security	All user data and transactions must be protected using encryption, secure authentication, and authorization.
NFR-3	Reliability	The system should be robust, with minimal downtime and reliable order processing.
NFR-4	Performance	Pages and APIs should load quickly, even under high user load.
NFR-5	Availability	The platform should be accessible 24/7 with high uptime.
NFR-6	Scalability	The solution should support growth in users, products, and transactions without performance loss.