

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

Date	22 February 2026
Team ID	LTVIP2026TMIDS24072
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 (Email & Password)
		Registration through Gmail
		Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email
		Confirmation via OTP
FR-3	User Login	Login using Email & Password
		Login using Gmail
		Forgot Password functionality
		Logout functionality
FR-4	Product Browsing & Search	View products by category
		Search products using keywords
		Filter products (price, rating, category)
		Sort products (low-high, popularity, newest)
FR-5	Cart Management	Add product to cart
		Update product quantity
		Remove product from cart
		View total cost dynamically
FR-6	Checkout & Payment	Proceed to checkout
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Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	
NFR-2	Security	
NFR-3	Reliability	
NFR-4	Performance	
NFR-5	Availability	
NFR-6	Scalability	