

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	17-07-2025
Team ID	PNT2025TMID10144
Project Name	ShopEZ E-commerce Website
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 Authentication	Sign Up, Login, Password Reset, OAuth Login with Google
FR-2	Product Browsing	View product list, Search, Filter by category
FR-3	Shopping Cart	Add to cart, Remove from cart, View cart
FR-4	Wishlist / Favorites	Add to favorites, View favorites
FR-5	Order Placement	Checkout, Address input, Confirm order
FR-6	Admin Dashboard	Add/Edit/Delete products, View orders, Manage users
FR-7	Contact & Support	Contact form, Feedback submission, Live chat

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Performance	Website should load within 3 seconds under normal network conditions

NFR-2	Security	All user data and payments must be encrypted using HTTPS and secure practices
NFR-3	Scalability	The system should be able to support 1000+ concurrent users
NFR-4	Usability	UI must be clean and responsive on mobile and desktop
NFR-5	Maintainability	Codebase should follow modular structure for easy updates and debugging
NFR-6	Availability	The system should ensure 99.9% uptime
NFR-7	Compatibility	Should work on all major browsers (Chrome, Firefox, Edge)