Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	19 February 2026
Team ID	LTVIP2026TMIDS52049
Project Name	ShopEZ:One-Stop Shop for Online Purchases
Maximum Marks	4 Marks

ShopEZ – Functional Requirements

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	User Login	– Login via Email & Password – Login via Gmail – Login via Facebook
FR-4	Product Browsing & Search	– View product listings – Filter by category , price, rating – Search by keyword

ShopEZ – Non-Functional Requiirements

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should offer an intuitive and user-friendly interoface across mobile and web platforms.
NFR-2	Security	All user data must be encrypted in transit and at rest. The system shoo-ld support secure authentication and
NFR-3	Reliability	The system should operate without failure for 39.9% of the time and reco ver gracefully from unexpected issue.
NFR-4	Performance	Pages should load within 2 seconds under normal load and within 4 secor under peak load.
NFR-5	Availabllity	The application should be accessible 24/7 with minimal downtime, especia ally during peak shopping hours.