Project Design Phase-II

Solu5on Requirements (Func5onal & Non-func5onal)

Date	16th April 2025
Team ID	SWTID1744119659
Project Name	ShopEZ: Online E-Commerce Platform
Maximum Marks	4 Marks

Func5onal Requirements:

FR.No.	Func5onal Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User RegistraMon	- RegistraMon through Form - RegistraMon through Gmail - RegistraMon through LinkedIn
FR-2	User ConfirmaMon	- ConfirmaMon via Email - ConfirmaMon via OTP
FR-3	Cart & Checkout	- View product categories - Search for products - Filter and sort products
FR-4	Payment	- MulMple payment opMons (UPI, Card, Net Banking) - Payment confirmaMon handling
FR-5	Order Management	- View order history - Track current orders - Cancel order

FR-6	Customer Support	- Raise support Mcket - Chat or message execuMve - View support history
FR-7	Customer Support	- Raise support Mcket - Chat or message execuMve - View support history
FR-8	Admin Panel	- View user list - Manage product lisMngs - Manage orders and delivery status
FR-9	Delivery IntegraMon	- Generate delivery requests - Update delivery status - NoMfy customer upon delivery

NFR.No.	Non-Func5onal Requirement (Epic)	Descrip5on
NFR-1	Usability	The UI must be intuiMve, responsive, and user-friendly for both mobile and desktop users.
NFR-2	Scalability	User data must be encrypted; authenMcaMon and authorizaMon must be implemented using secure protocols (e.g., HTTPS, OAuth).
NFR-3	Reliability	The system should ensure consistent performance with a < 1% failure rate and handle failures gracefully.
NFR-4	Performance	The website must load within 3 seconds and support 50+ concurrent users without performance degradaMon.

	Availability	The system should have 99.9% upMme and auto-recovery from minor crashes.
NFR-5		

Non-Functional Requirements:

	Scalability	The plagorm should support scaling to accommodate growing users and product inventory. Cloud-based deployment is preferred.
NFR-6		