

Requirement Gathering and Analysis Phase
Solution Requirements (Functional & Non-functional)

Date	3-07-2024
Team ID	SWTID1719933594
Project Name	Project - ShopEZ
Maximum Marks	4

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 Catalogue	View Products by category Search Products Filter Products
FR-4	Product Details	View Product Descriptions View Product Reviews View Product Images
FR-5	Shopping Cart	Add Products to Cart Remove Products from Cart Update Product Quantities in Cart
FR-6	Checkout	Enter Shipping Information Choose Payment Method Review order Place Order
FR-7	Order Management	View Order History Track Order Status
FR-8	User Account Management	View and edit profile information Change Password View saved addresses
FR-9	Customer Support	Submit Support Tickets View Support Ticket Status Live Chat with support
FR-10	Admin Product Management	Add New Products Update Product Information Remove Products
FR-11	Admin User Management	View all Users Manage User Roles Deactivate User Accounts
FR-12	Analytics and Reporting	View Sales Reports View Inventory Reports View User Activity Reports

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The website should have an intuitive and easy-to-use interface for all user types, including customers and administrators.
NFR-2	Security	The website should ensure secure transactions, protect user data, and comply with relevant data protection regulations .
NFR-3	Reliability	The system should be reliable and maintain consistent performance, with minimal downtime and quick recovery from failures.
NFR-4	Performance	The website should load pages within 3 seconds, handle up to 1000 concurrent users, and process transactions efficiently.
NFR-5	Availability	The website should be available all the time, ensuring that users can access the platform whenever they need to.
NFR-6	Scalability	The website should be able to scale horizontally and vertically to accommodate an increasing number of users and transactions.