**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| --- | --- |
| Date | 25-08-2025 |
| Team ID | LTVIP2025TMID61031 |
| Project Name | shopEZ |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

Here are some potential functional requirements for the shopEZ application:

1. User Registration and Login: Allow users to create accounts, log in, and manage their profiles.

2. Product Browsing: Enable users to browse products by category, search for specific products, and view product details.

3. Shopping Cart: Allow users to add products to their cart, view cart contents, and update quantities.

4. Checkout Process: Facilitate a secure payment process, including payment method selection, payment information entry, and order confirmation.

5. Order Management: Enable users to view order history, track order status, and receive order confirmations.

6. Product Search: Implement a search function that allows users to find products by keyword, category, or brand.

7. Product Filtering and Sorting: Allow users to filter products by price, brand, rating, and other relevant criteria, and sort products by relevance, price, or popularity.

8. Product Reviews and Ratings: Enable users to leave reviews and ratings for products.

9. Wishlist: Allow users to create and manage a wishlist of products.

10. Payment Gateway Integration: Integrate a secure payment gateway to facilitate transactions.

11. Order Tracking: Provide users with real-time updates on order status, including shipping and delivery information.

12. Customer Support: Offer customer support through various channels, such as email, phone, or live chat.

13. Product Recommendations: Suggest relevant products to users based on their browsing and purchase history.

14. Promotions and Discounts: Allow administrators to create and manage promotions, discounts, and special offers.

15. Inventory Management: Enable administrators to manage product inventory levels, track stock levels, and receive notifications when products are running low.

These functional requirements can serve as a starting point for developing the shopEZ application.