

# Functional Requirements Specification

## I. Customer (User) Features

### ***Browsing & Shopping***

1. The system shall allow users to browse and search for products across the platform.
2. The system shall display detailed product pages showing the product name, price, description, images, ratings, and customer reviews.
3. The system shall allow users to view individual store or seller pages (Vendor Profiles).

### ***Account & Orders***

4. The system shall allow users to sign up and log in, including third-party authentication (e.g., Google).
5. The system shall allow logged-in users to manage their profiles and view their order history.
6. The system shall support multiple account management, enabling users to switch between accounts without signing out.

### ***Checkout***

7. The system shall allow users to add products to a cart, update item quantities, and remove products.
8. The system shall provide multiple payment options, including Cash on Delivery and online payment integration (e.g., Stripe).
9. The system shall allow users to add, edit, and select delivery addresses.
10. The system shall allow users to apply valid coupon codes during checkout.

## II. Seller (Vendor) Features

### ***Store Management***

11. The system shall allow users to create a new seller store, which remains in a pending state until approved by the Admin.
12. The system shall provide a dedicated Seller Dashboard displaying performance metrics, including total earnings, total orders, total products, ratings, and reviews.

### ***Product Management***

13. The system shall allow sellers to add new products to their store.
14. The system shall include an AI feature to automatically generate product names and descriptions based on uploaded images (e.g., via Google Gemini API).

15. The system shall allow sellers to manually set product details, including price, offer price, and category.

16. The system shall allow sellers to manage their product listings and mark products as unavailable or out of stock.

### ***Order Management***

17. The system shall allow sellers to view all customer orders specific to their store and access detailed order information, including product list, customer name, price, payment method, coupon, and order status.

### ***Logistics Service***

18. The system shall provide a Logistics Service module accessible to sellers and logistics partners.

19. The system shall allow sellers to browse and connect with available logistics providers for order delivery.

20. The system shall allow logistics providers to register, create a logistics profile, and specify their delivery regions and pricing.

21. The system shall allow sellers to request delivery quotations and confirm logistics arrangements for customer orders.

22. The system shall allow the Admin to verify and approve registered logistics providers before activation.

## **III. Admin Features**

### ***Access Control***

23. The system shall provide a dedicated Admin Dashboard accessible via a secure admin route (/admin).

### ***Store Moderation***

24. The system shall allow the Admin to view and manage all active stores, including the ability to deactivate a store.

25. The system shall allow the Admin to view and approve pending store applications to make them active.

### ***Coupon Management***

26. The system shall allow the Admin to create, edit, and delete platform-wide coupons.

27. The system shall allow the Admin to define coupon details such as discount value, expiry date, and target audience (e.g., new users).