

Requirement Document – Raw Meat E-commerce Platform

1. Overview

The system will be a raw meat e-commerce platform (Web, Android, iOS) that connects users, vendors, and an admin panel. It will allow users to browse, purchase, and track meat orders, vendors to manage inventory and orders, and admins to oversee and control the overall system.

2. User Roles

- **User (Customer):** End user who browses, orders, and tracks deliveries.
 - **Vendor (Branch Seller):** Seller who manages products, stock, and fulfills orders.
 - **Admin:** Super admin who approves vendors, monitors orders, and generates reports.
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3. Functional Requirements

3.1 Authentication & Profile

- Users must be able to **sign up** using phone number or email.
 - Secure **login/logout** functionality must be provided.
 - Users can **update profile** details (name, phone number, saved addresses).
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3.2 Browsing & Search

- Users can browse by **categories** (chicken, mutton, fish).

- Users can **search for specific products** by name.
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3.3 Cart & Checkout

- Users can **add products to cart** and modify quantity.
 - Users can **select delivery address** during checkout.
 - Multiple **payment methods** must be supported (UPI, cards, COD, wallets).
 - Users must receive **order confirmation** and be able to **track delivery status in real time**.
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3.4 Order Management (User Side)

- Users can **view past orders** and reorder.
 - Users can **cancel an order** before it is processed by vendor.
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3.5 Vendor Side

- Vendors can **add, edit, and delete products** with details (name, price, stock, image).
 - Vendors can **manage stock availability** (in-stock, out-of-stock).
 - Vendors can **accept or reject orders** based on stock and delivery capacity.
 - Vendors can **view sales reports** (daily/weekly/monthly).
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3.6 Admin Side

- Admin can **approve/reject vendor registrations**.

- Admin can **monitor all orders** across vendors and users.
 - Admin can **generate reports** (sales, vendor performance, customer activity).
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4. Non-Functional Requirements

- **Scalability:** System should support thousands of concurrent users.
 - **Security:**
 - All sensitive data must be encrypted (passwords, payment details).
 - Secure login with OTP/email verification.
 - **Performance:**
 - Page load within 3 seconds.
 - Real-time order status updates.
 - **Compatibility:** Web app, Android, and iOS support.
 - **Usability:** Simple, user-friendly UI/UX for all roles.
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5. Reports & Analytics

- **User Reports:** Order history, reorder patterns.
 - **Vendor Reports:** Sales, best-selling products, revenue.
 - **Admin Reports:** Total sales, active vendors, customer growth.
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6. Assumptions & Constraints

- Delivery logistics will be handled outside the system (or via integration with a third-party).
- Payment gateway integration (Razorpay/Stripe/Paytm) will be required.
- Notifications (SMS, Email, Push) must be supported.