الطالبتين :

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Requirements:

User, Product, Inventory and Order Management.

Main Tasks the Software Can Do:

1. Manage Products and Inventory *(Add, update, and delete products and set alerts for low stock).* :

Add/Update/Delete Products: Admins can add new products, edit product details (e.g., name, price, description, category), and remove products.

Inventory Management: Track stock levels in real-time. Adjust stock when products are sold or returned.

Low Stock Alerts: Notify admins when stock levels fall below a certain threshold.

Product Categorization: Organize products by categories, tags, or brands for easy browsing.

Product Attributes:

Name

Description

Price

SKU (Stock Keeping Unit)

Images

Category (electronics, clothing)

Stock quantity

Status (in stock/out of stock)

2. Process Orders and Payments *(Handle customer orders, process payments securely, and manage the checkout process efficiently). :*

Shopping Cart: Customers can add/remove products and update quantities before checkout.

Checkout Process: Secure, multi-step checkout process for reviewing orders, selecting shipping options, and entering payment details.

Order Management: Admins can view and update order statuses (e.g., processing, shipped, delivered, canceled).

Payment Gateway Integration: Integration with payment gateways like PayPal, Stripe, or credit card processors for secure payment handling.

Order Tracking: Customers can track the progress of their orders.

Invoice Generation: Automatically generate invoices after successful transactions.

3. Facilitate Customer Interaction *(Enable customers to browse products, add them to the cart, and complete purchases while providing support when needed). :*

Product Browsing: Customers can browse products by category, search for specific items, and use filters (price, brand, rating).

Customer Reviews & Ratings: Customers can leave reviews and rate products they have purchased.

Live Chat Support: Optional integration with live chat to assist customers with their queries in real-time.

Wishlist: Allow customers to save products for future purchases.

4. **generate Reports** *(Create detailed reports on sales, customer behavior, and inventory, helping businesses make data-driven decisions).* :

    Sales Reports: Generate daily, weekly, and monthly sales reports, including product-wise and category-wise breakdowns.

    Inventory Reports: Monitor stock levels and predict replenishment needs. Identify fast- and slow-moving items.

    Customer Behavior Reports: Track purchase history, preferences, and site interactions to inform marketing strategies.

    Revenue Reports: Track revenue, profits, and margins over time.