Project Title: MarketHub

Introduction to the Project:

MarketHub is an integrated platform designed to streamline the management and operations of wholesale businesses. The system provides tools for suppliers and customers to ensure seamless purchasing, transport, shipment, and returns management. It incorporates a customer-centric approach to deliver efficiency and user satisfaction.

Description of Project Modules and Features:

Modules and Features:
1. **User Module:** User registration, Login functionality, Role-based access control.
2. **Products Module:** View products, Product categorization, Product reviews.
3. **Orders Module:** Place orders, Track orders, View order history.
4. **Shipment Module:** Assign transport, Track shipment status, Estimate delivery time.
5. **Discounts and Offers Module:** Apply discounts, View active offers.
6. **Returns and Refund Module:** Manage product returns/refunds, Resolve complaints.
7. **Warehouse Management Module:** Monitor stock levels, Restock alerts.

Database Entities:

1. **Users:** UserID, Name, Email, Password, Role.
2. **Suppliers**: SupplierID, Name, ContactInfo, Address, Email
3. **Customer**: CustomerID, Name, ContactInfo, Address, Email
4. **Products:** ProductID, Name, Description, Price, CategoryID.
5. **Categories:** CategoryID, CategoryName, Description.
6. **Discounts:** DiscountID, ProductID, DiscountPercentage, StartDate, EndDate.
7. **Orders:** OrderID, CustomerID, ProductID, Quantity, TotalPrice, OrderDate.
8. **Returns:** ReturnID, OrderID, Reason, Status.
9. **Transport:** TransportID, VehicleNo, DriverName, Status.
10. **Warehouse:** WarehouseID, Location, Capacity, ProductID, StockDetails.

Software Requirements:

Frontend: HTML, CSS, JavaScript

Backend: Python (Flask)

Database: MySQL and Oracle

Development Tools: Visual Studio Code, Spyder

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