wwThe system is designed to manage a complex business operation where **Users** are at the core of all activities. Each **User's** profile contains essential personal information including their name, contact details and addresses. The system implements a comprehensive role-based access control mechanism to manage different levels of system permissions and responsibilities. Users are categorized into two main types: **Registered Users and Visitors**. The system tracks **Visitors** through their IP addresses and session IDs, while also monitoring their **Page** views and recording view times for security purposes. **Registered Users** are further divided into four distinct categories: **Sellers, Buyers, Cloud Users, and Digital Content Users.** Each type of **Registered User** can be either **Premium** or **Standard**, with different privileges and access levels. **Premium** users receive additional benefits and enhanced features compared to **Standard** users. The business operations revolve around **Products**, which are organized within a structured ***Category*** system. Each **Product** maintains comprehensive information including its name, brand name, description, and pricing details. **Categories** help organize **products** effectively, with each **Category** containing a name, description, display order preferences, and unique identifier. **Order** management is a crucial component of the system. Each **Order** contains detailed information about the **products** purchased, quantities, pricing, addresses date and status updates throughout its lifecycle.**Orders** includes **Products**.Each **Order** can have many **Discounts.**Every **Discount** has a type,value, max value and total usage.**Orders** track the complete customer journey from initial selection through final delivery on **Order History**. **Order History** has **Events.** The system records various **Events** throughout the shipping lifecycle. Each **Event** has a unique ID, name, timestamp. **Events** are categorized into different statuses including **Created**, **Delivered**, **Shipped**, and **Returned**. This allows for complete visibility of the package's journey from origin to destination. **Shipments** are categorized into three distinct Shipment Types: **Standard, Express, and International.** Each type has specific attributes including delivery days and delivery date estimates. For calculating shipping costs and handling requirements, the system tracks package details such as weight and dimensional measurements.An **Order** can have multiple **Shipment Type**.**Shipments** uses **Carrier** . **Carriers** divided into two categories: **National** and **Regional**. Each Carrier has specific attributes including carrier ID, name,range of time,number and region of operation. For **National** carriers, the system maintains ISO codes (specifically TR for Turkey), while **Regional** carriers have their own regional codes.The system includes a **Product Listing** mechanism where **Sellers** can showcase their **Products** with detailed information. Each Product Listing includes title information, availability status, and seller-specific details. The system also maintains a **Product** Rating system where users can provide feedback and evaluations of products they've purchased. **Sellers** have inventories of the **products** they sell. These inventories contain information about the name of inventory and stock status.Inventory management allows sellers to effectively track their **products**, replenish stock when necessary, and ensure they offer the right products to customers. **Sellers** use different **sales channels** to sell their **products**. Sales channels can be of three different types: **FBA**, **Dropshipping**, and **Logistic** Provider. The **Seller** can choose one of these. dedicated Payment System that supports three different **payment methods**. These types are **Google Payment,Amazon Payment and Credit Card.**Each payment transaction is recorded with its user mail, amount, date. Every Registered User can have **Shopping Cart.** **Shopping Carts** contain essential information including status and total items. Each **Shopping Cart** is designed to maintain a collection of **Cart Items**, creating an organized structure for users' shopping sessions.Each **Cart Item** can belong to many **Product.** The system incorporates a comprehensive **Review** system that branches into two distinct types: **Seller Reviews and Product Reviews.** Each **Review** maintains basic information such as ID, rating, and helpful votes.With This System **Buyers** can give **review** about **Products** .