E-commerce Database Scenario

1) We have 2 types of users: Suppliers and customers. They both have personal info which contains city, email, phone number, unique personal id, country, address and postal code.

2) Main purpose of E-commerce is to sell products. Each product has unique product number, name, price, dimensions, color, weight, description and it might has a discount. Each customer who has bought the product can submit a rate for the product.

3) Each product has a supplier. Suppliers can be business or person. We need to know how many of each product is available. Suppliers have unique ID and rate. For personal suppliers we need to know the full name and person ID & for business suppliers we need to know the name of business and business ID.

4) Each product belongs to a single category and will be added by an admin. Each admin has unique ID, full name and password. Each category has ID, name, picture and description.

5) Each customer has unique ID and full name. Customers can add items to their carts. Each cart has unique ID, customer ID and total cost.

6) When finalize a cart, it becomes an order. Each order has unique ID, date, cost and shipment method. Order has an order detail. In order detail we save product ID, Unit price, quantity and discount.

7) Orders are shipped by a shipper on a date. Each shipper has unique ID, phone number and company name.

8) We provide 2 options for payment: Online or Due To Receive payment.

Payment method has unique ID, address and date. For online we need email, credit card ID and credit card expire date. For late payment we need signature and SSN.

9) We have employees in our corporation. Each employee has unique ID, full name, degree and Personal Info. Each employee is Full-time (Salary Scale, holiday allowance) or Part-time (hourly rate). Employees are Admin, Security, Accountant, Secretary or Developer (Typing speed, Backend or Frontend). Each employee has a manager and managers have bonus. For each employee we need to know the next-of-kin's Full name and relationship and phone number and address.