

WHOLESALE MANAGEMENT SYSTEM

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Overview:

- This system is intended to streamline and optimize the operations of wholesale businesses along with keeping an oversight of customer information, supplier information, inventory and transactional data which will aid the business in informed decision making and simplify the daily functioning.

Explanation:

S.No	Entities	Description
1.	Customer	This entity provides information about the customer. The attributes are Customer id (primary key), first name, last name, email id, phone number, address, customer status and join date
2.	Order	This entity gives information about the order which is placed by the Customer, and the essential attributes are Order id (primary key), Product id, Invoice id, Customer id, Feedback id, Shipment id
3.	Invoice	This entity has the information about the invoice which is generated for the customer order. The essential attributes are Invoice id(primary key), payment id and order id
4.	Payment Details	This entity stores the payment/ transaction details of the customer and gives us important information such as how the payment was made, any discount given. The essential attributes are Payment ID (primary key) and Invoice id
5.	Shipment	This entity describes the information about all the shipment details of the order customer places. The attributes of this relation are shipment id (primary key), departed date, arrival date, address, shipment status, shipment method and order id
6.	Product	This entity contains information about every product that the whole sale business has and contains attributes like product id (primary key), product name, category id, price, and description

7.	Inventory	This entity has details about the inventory and provides important information about the product. The essential attributes are Inventory id (primary key), inventory category, product id, product stock count, product location, received date and supplier id
8.	Supplier	This entity has details about services used by the customer. This has attributes like services used id, hotel services, service date, reservation_id, quantity. Where service used id is a primary key and hotel service id is a foreign key.
9.	Category	This entity has the details about the category under which the product falls. The attributes are category id (primary key) and category name
10.	Depleted Product	It is an associative entity which stores information about the product having a low stock count and which have to be reordered with the supplier. Its attributes are depletion date, supplier id, inventory id and product id
11.	Order line	It is an associative entity which stores information about the order placed by the customer. Its attributes are order id, product id and order quantity
12.	Feedback	It is an associative entity which stores information about the feedback which is given by the customer for their order. Its attributes are Feedback id, date, type, order id and customer id

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DATA MODEL

