

数据库原理CH6作业

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P298-6.15

Construct an E-R diagram for a hospital with a set of patients and a set of medical doctors. Associate with each patient a log of the various tests and examinations conducted.

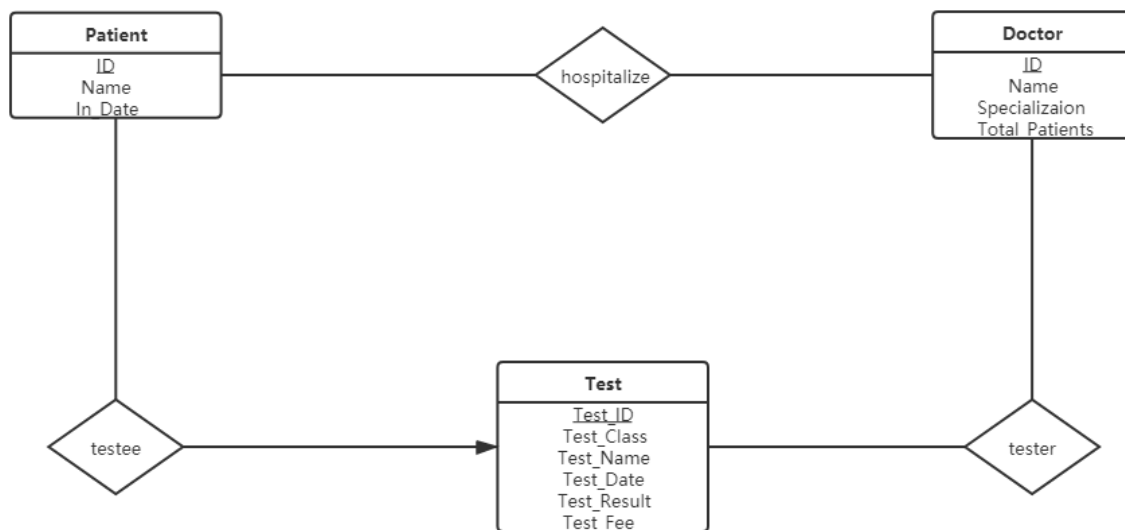


图1 医患关系ER图

P299-6.23

Design a database for a worldwide package delivery company (e.g., DHL or FedEx). The database must be able to keep track of customers who ship items and customers who receive items; some customers may do both. Each package must be identifiable and trackable, so the database must be able to store the location of the package and its history of locations. Locations include trucks, planes, airports, and warehouses.

ER-diagram:

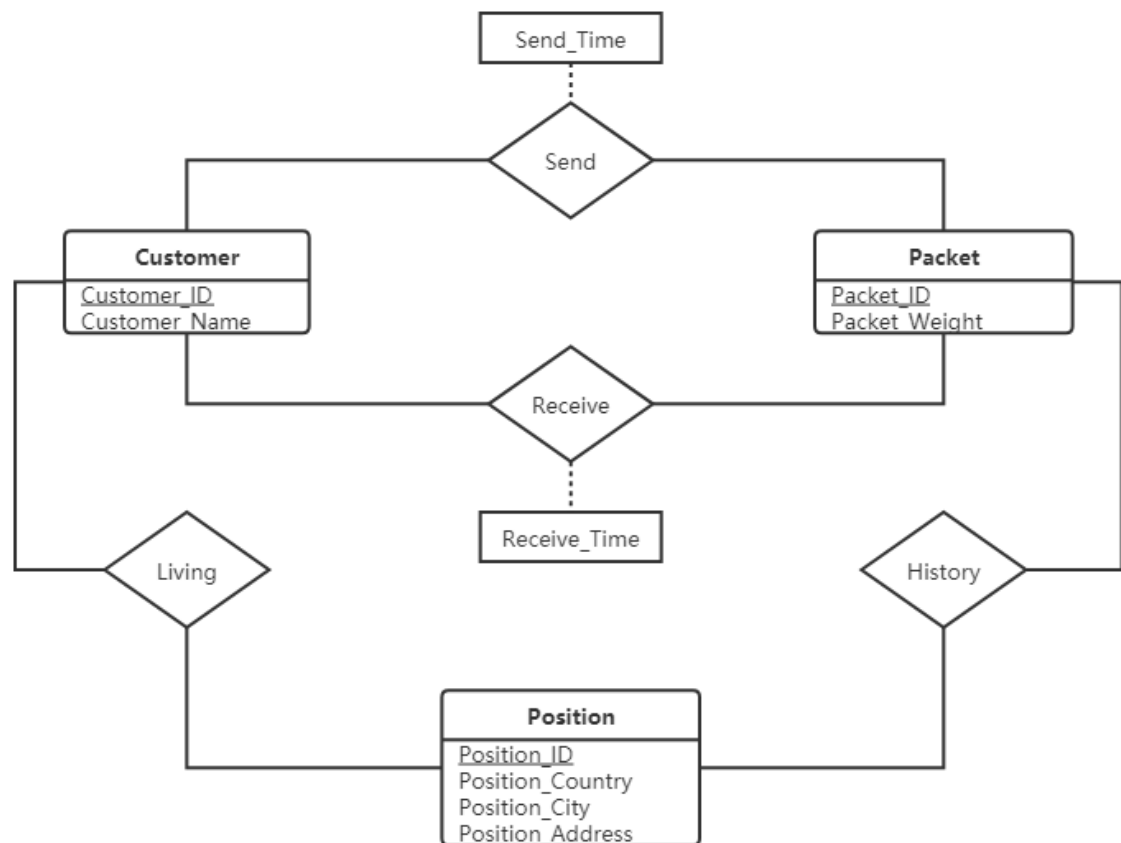


图2 物流信息ER图

relational schemas:

```

Customer(
  Customer ID
  Customer_Name
)
  
```

```

Packet(
  Packet ID
  Packet_Weight
)
  
```

```

Position(
  Position ID
  Position_Country
  Position_City
  Position_Address
)
  
```

```

Send(
  Customer ID
  Packet ID
  Send_Time
  foreign key Customer_ID references Customer
  foreign key Packet_ID references Packet
)
  
```

```

Receive(
  Customer ID
  Packet ID
  Receive_Time
)
  
```

```
    foreign key Customer_ID references Customer
    foreign key Packet_ID references Packet
)
Living(
    Customer_ID
    Position_ID
    foreign key Customer_ID references Customer
    foreign key Position_ID references Position
)
History(
    Packet_ID
    Position_ID
    foreign key Packet_ID references Packet
    foreign key Position_ID references Position
)
```