

## **write a relationship between the following entities of ERD transport management system. Admin, customer, Driver vehicle, Root Booking**

In an ERD (Entity-Relationship Diagram) for a Transport Management System, the relationships between the entities could be defined as follows:

### **Admin - Manages - Customer**

Description: An admin manages customer accounts and their interactions within the system.

Cardinality: One admin can manage many customers, but each customer is managed by one admin.

### **Customer - Makes - Booking**

Description: A customer makes bookings for transportation services.

Cardinality: One customer can make multiple bookings, but each booking is made by one customer.

### **Booking - Assigned to - Driver**

Description: A booking is assigned to a specific driver for fulfillment.

Cardinality: One booking is assigned to one driver, but a driver can be assigned to multiple bookings.

### **Driver - Operates - Vehicle**

Description: A driver operates a specific vehicle for transportation services.

Cardinality: One driver operates one vehicle, but a vehicle can be operated by multiple drivers.

### **Admin - Manages - Vehicle**

Description: An admin manages information related to vehicles in the system.

Cardinality: One admin can manage multiple vehicles, but each vehicle is managed by one admin.

### **Admin - Manages - Route**

Description: An admin manages information about transportation routes.

Cardinality: One admin can manage multiple routes, but each route is managed by one admin.

### **Booking - Follows - Route**

Description: A booking follows a specific route for its transportation service.

Cardinality: One booking follows one route, but a route can be followed by multiple bookings.

### **Vehicle - Assigned to - Route**

Description: A vehicle is assigned to operate on a specific route.

Cardinality: One vehicle is assigned to one route, but a route can have multiple vehicles assigned to it.

These relationships outline the interactions and connections between the entities in the Transport Management System. Keep in mind that the specific cardinalities and relationships may vary depending on the exact requirements and design of the system.