

Vehicle Rent System

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The ER diagram visualizes a Vehicle Rent system with several key entities and relationships.

The User entity includes attributes like name, email, gender, contact number, age, and license, identifying individuals who can rent vehicles. Company holds information such as company ID (cid), name, email, location, and contact number, representing the entity that owns and manages the vehicles. Users create Booking entries to rent vehicles, with each booking being associated with the User and Vehicle entities. The Vehicle entity contains details like vehicle ID (vid), type, fuel, number of seats, mileage, and number of wheels. Users log in through the Log_in entity, which connects the User and Company entities. The Booking entity links User and Vehicle entities, while also connecting to Payment, which stores details such as transaction ID, payment type, initial amount, fines, and bank name. Vehicle is allocated based on bookings, and its availability is determined by the Booking process. Payments are made once a booking is confirmed, with all relevant financial details captured in the Payment entity. Relationships are clearly defined, showing the flow between users, bookings, vehicles, and payments within the system.

