

# Vehicle Rent System

## Name and Roll No.

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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.

