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NOTE: You are highly encoura	aged to do this exercise with a partner.

MSBD 6000L: Database Systems

Lecture 2 Exercises Database Design: E-R Data Model

Exercise 2: We want to keep track of bus routes and schedules for a bus company.

- Each bus route has a unique route number, a departure station and a destination station.
- For each bus route, there is a schedule, which records all the departure times of buses.
- For each departure time of each route, a driver and a bus can be assigned. However, information about the driver or the bus may sometimes be missing.
- A driver has a unique employee id, a name and a phone number.
- A bus is identified by its license number and has a maximum seating capacity.

In the space below, construct an E-R diagram for the bus company application.

