

Tables

- Ride: Ride ID, Driver ID, Origin, Destination, Available Seats
- Passenger: Passenger ID, Name, Address, Phone Number
- Driver: Driver ID, Name, Address, Phone Number
- Booking: Ride ID, Passenger ID

Queries

- Passenger searches for a ride:
 - Join: Ride, Driver
 - Where: Origin and Destination match request, Available Seats > 0
 - Select: Name, Phone Number
- Passenger “books” a ride:
 - Assuming successful search above: decrease Available Seats by one
 - Insert row into Booking table with Ride ID and Passenger ID
- Driver ready to go: Who are my passengers?
 - Join: Ride, Passenger, Booking
 - Where: (Driver) Name, Origin, and Date match
 - Select: (Passenger) Name, Phone Number