DOG KENNEL DATA

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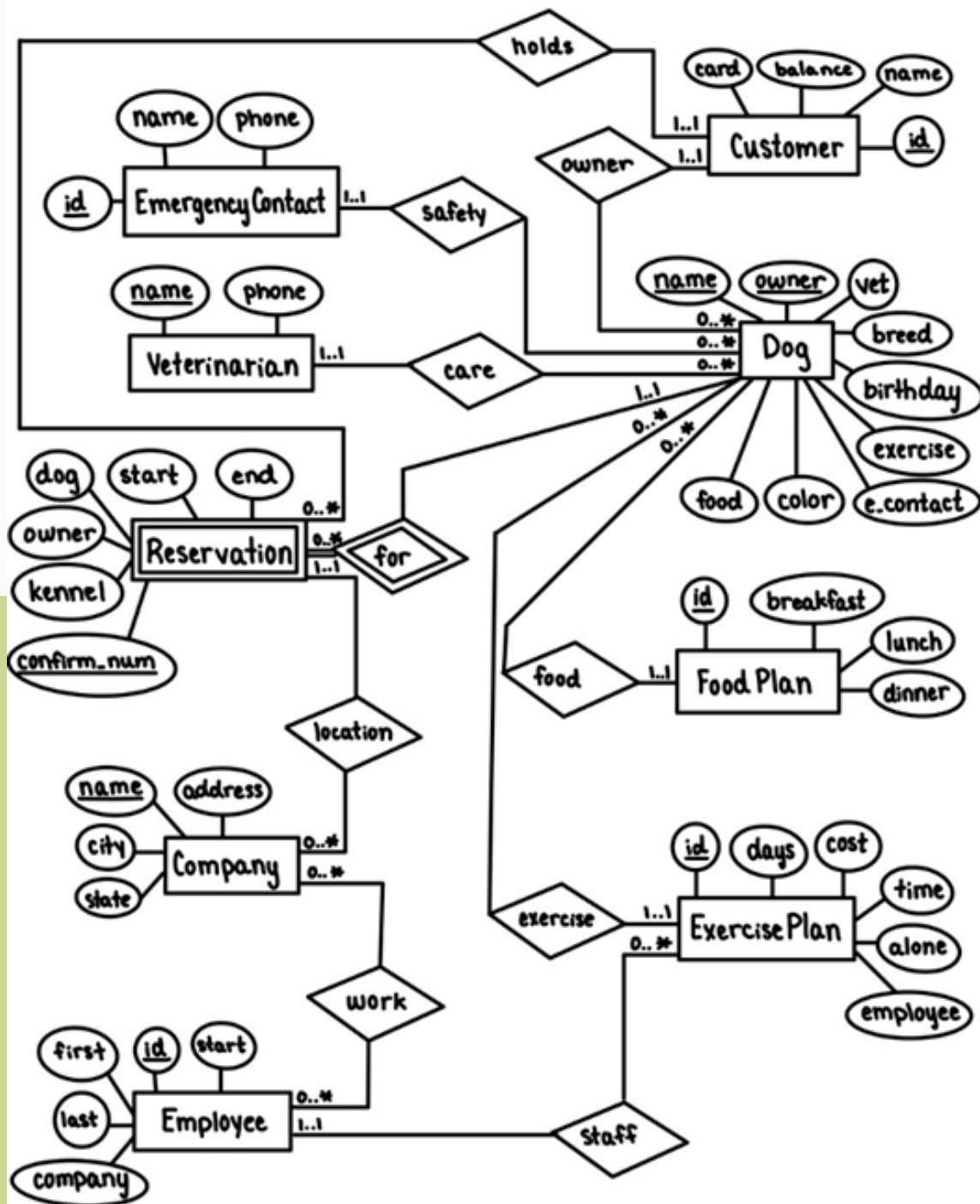## CPSC 321, FALL '24

THEME: DOG KENNEL BUSINESS APPLICATION

The database has many tables holding different key information needed for a dog kennel business to run smoothly.

USE CASES:

1. Adding a new customer/owner to the system

2. Adding a new dog to a given owner

3. Removing a dog from the system

4. Removing an employee from the system

5. Updating the Meal Plan for a given dog

6. Updating an owner's account balance

7. Employees can search for a customer in the system

8. Employees can search for dogs in the system

9. Find the number of customers that have an old dog in the system

10. Find all the reservations that start on a given day for a given company.

11. Find Dogs By Number of Reservations

12. Find Number of Reservations for each Start Date

LOGICAL DATABASE DESIGN
(ER DIAGRAM)

POPULATING DATA

ChatGPT generated fake values to insert into each table.

INTERESTING QUERIES

1. Finding the dogs with more than a given number of reservations in the system.

2. Finding the reservations that are scheduled to start on a given day.

3. Finding the number of reservations for each start date in the system.

APPLICATION DEMO TIME!

CHALLENGES

1. Not having the database derive the id columns made it difficult to insert data.

2. Running out of time to add all the features that I would like this application to have.