

# Veterinary Clinic Management System

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# Application Domain/Area - <Vet Clinics>

- Services related to vet clinics and their stakeholders.
  - Recommended Food
  - Vaccination Updates
  - Drug History
  - Employees
  - Salary
  - Medical Devices

# Need for Application (problem statement)

Most pet owners do not have easy accessibility to information history about their pet, this database allows vets to upload and store information for clients to view.

Allows for vet clinics to monitor, input, and access information about pets, employees, insurance, medical device companies, and drug companies

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# Entities

## Employees

- **Veterinarians** - Specialty, Years of Experience, Employee ID, Name, DOB
- **Vet Techs** - Degree, Employee ID, Name, DOB
- **Veterinary Assistant** - Employee ID, Name, DOB
- **Kennel Workers** - Employee ID, Name, DOB
- **Receptionist** - Employee ID, Name, DOB

# Entities

## Stakeholders\Products

### Stakeholders

- **Pharmacy** - Name, Address, Phone Number
- **Drug\_Company** - Name, Address, Phone Number
- **Groomer** - Name, Address, Phone Number
- **MD\_Company** - Name, Address, Phone Number
- **Pet Food Company** - Name, Address, Phone Number

### Products

- **Drug** - Name, Formula
- **Medical Device** - ID, Name, Price
- **Pet\_Food** - Size, Name, Species, Breed, Age, Product ID

# Entities

Users/Patients

- **Clinic** - Name, Address, Type, Phone Number
- **Pet Owner** - SSN, Phone Number, Address, Name
- **Pet** - AIN, Name, Age, Breed, Size, Species, Weight, Past-Operations

# Relationships

- Any of the employee types for a clinic (vet, kennel\_worker, etc.) **works for** a single clinic
- Veterinarians **prescribe** drugs or **suggest** food diets to pets, and the date of the latest one is recorded along with the name of said item.
- Clinics (through the vet) **order** their medical devices from a Medical Device Company. The date of the order is recorded.
- Pets **visit** a clinic with the kennel a pet stays in, if any, being stored.
- A nurse may be **assigned to** a specific in-patient pet. Their employee ID is stored with the kennel the visiting pet stays in.
- Groomers **groom** a pet with a proof of vaccination.
- Groomers may also **contract with** a clinic to work on the premises.

# Relationships

- A pet\_owner may **pay** a clinic directly, an insurance company, or a groomer.
- A pet\_owner **owns** one or more pets, regardless of health status; the AIN of the pet and name of the owner is stored.
- A Pet\_Food\_Company **supplies** a clinic with pet\_food while the clinic may **sell** the food to a pet\_owner.
- A specific company type **makes** products of that same type.
- An Insurance Company **insures** one or more pets with the plan and policy # for the specific pet being stored.

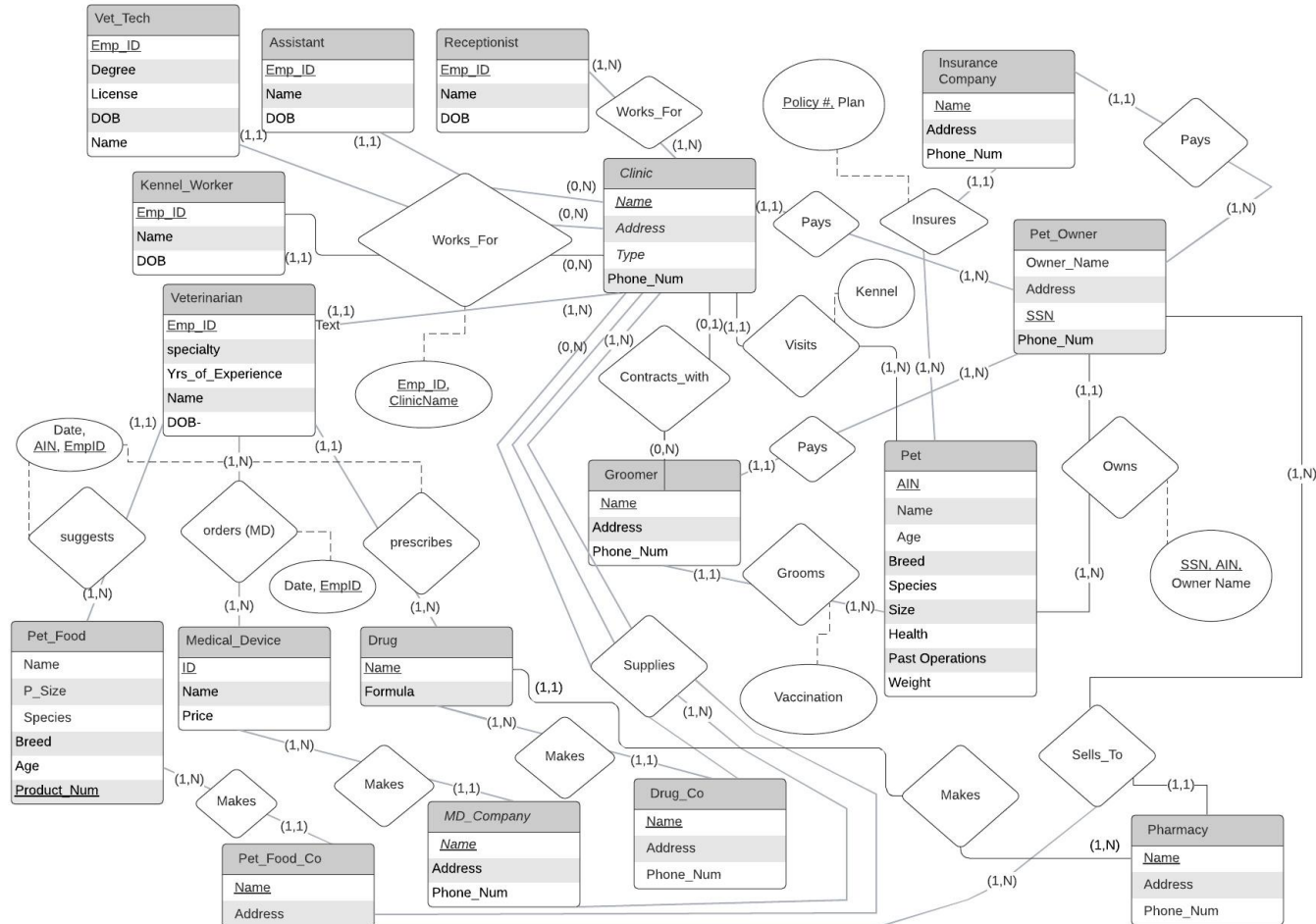


# Constraints

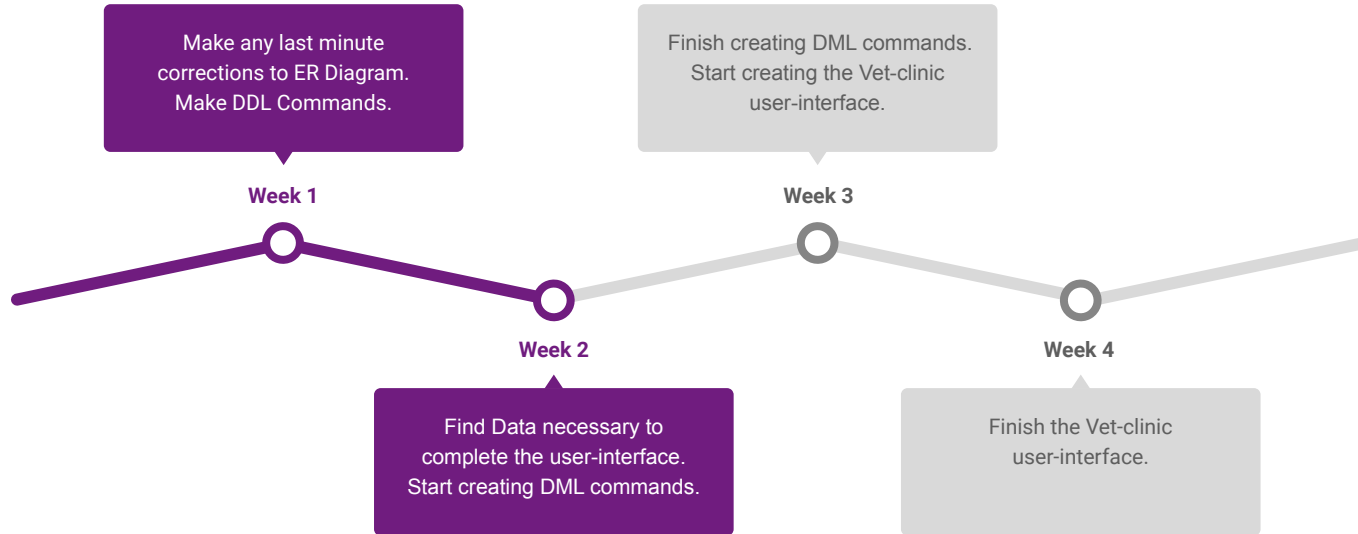
- A clinic has at least 1 employee, which is a vet.
- Any clinic employee can be a receptionist, but cannot have more than one other position.
- A pet must have only one pet\_owner, though a pet\_owner may have multiple pets.
- A pet\_owner has only one pet insurance policy number regardless of the number of pets they own.
- Groomers may contract with a clinic to work on the premises, but do not need to do so.

# Vet Clinic ER Diagram

[Gareth Maddox, Timothy Oliver, Johnathon Terry]] January 19, 2022



# Timeline



All group members will work together on the project as it's completed