Dog Training Application

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Problem Statement

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This database will create an easy to use program for dog training that displays information about the dogs, their owners, and the classes they take. Not only will it allow for the trainers to easily keep track of all their classes but also for the owners to sign up easily and efficiently for what they want. A database system will be very important for this application to promote more dogs and their owners to come in for training. Having an easy to use system will allow for a lot more efficiency for the trainers to manage their classes along with owners being able to sign up more easily for classes. By having an easy to navigate and efficient user interface there will be more people signing their dogs up for classes.
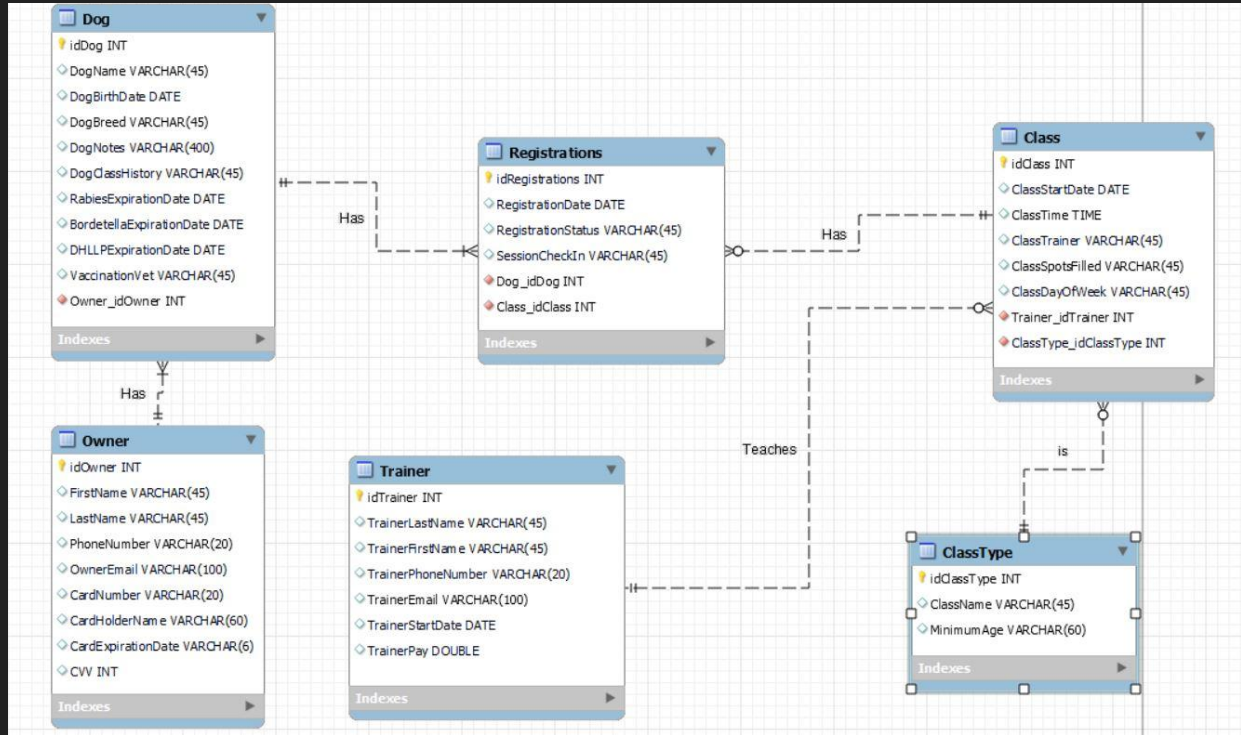
Functional Requirements

Dog Owners
- Owners can search classes that are available including Puppy 1, Puppy 2, Adult 1, Adult 2 AKC CGC, and Private classes.
    - Read
- Owners can filter out what classes their dog qualifies for based on the dogs age
    - Write or read
- Owners can see information about a class including trainer name, class location, date and time of class, and how many other dogs are signed up for the class.
    - Read
- Owners can sign up for a class of their choosing and put in their personal information including their name, phone number, and email address.
    - Write
- Owners can view the prerequisites for the different classes offered such as minimum and maximum age.
    - Read
- Owners can put in dog information including name of dog, breed, and birthdate.
    - Write

Trainers
- Trainers can add, edit, and delete classes and class information in the system.
    - Write or update
- Trainers can view new registrations and see dog owner and dog information.
    - Read
- Trainers can cancel registration if an owner has to return a class for any reason.
    - Update
- Trainers can add and/or update dog information including vaccination status and notes about the dog.
    - Write or update
- Trainers can check in dogs as they come into class so they can keep track of the number of sessions a dog and owner attend.
    - Write
- Trainers can add the prerequisites for a class when creating and adding a new class. Trainers will also be able to view the prerequisites for the different classes.
    - Read
    - Write
- Trainers can delete dog information if the dog does not come in for training after 2 years.
    - Update

ER Diagram

Tools

For this application we used a variety of tools including:

- HTML/CSS
- PHP
- MySQL
- XAMPP
- Trello
- Discord

Demo Time