SAMPLE DATA MODEL & ANALYSIS
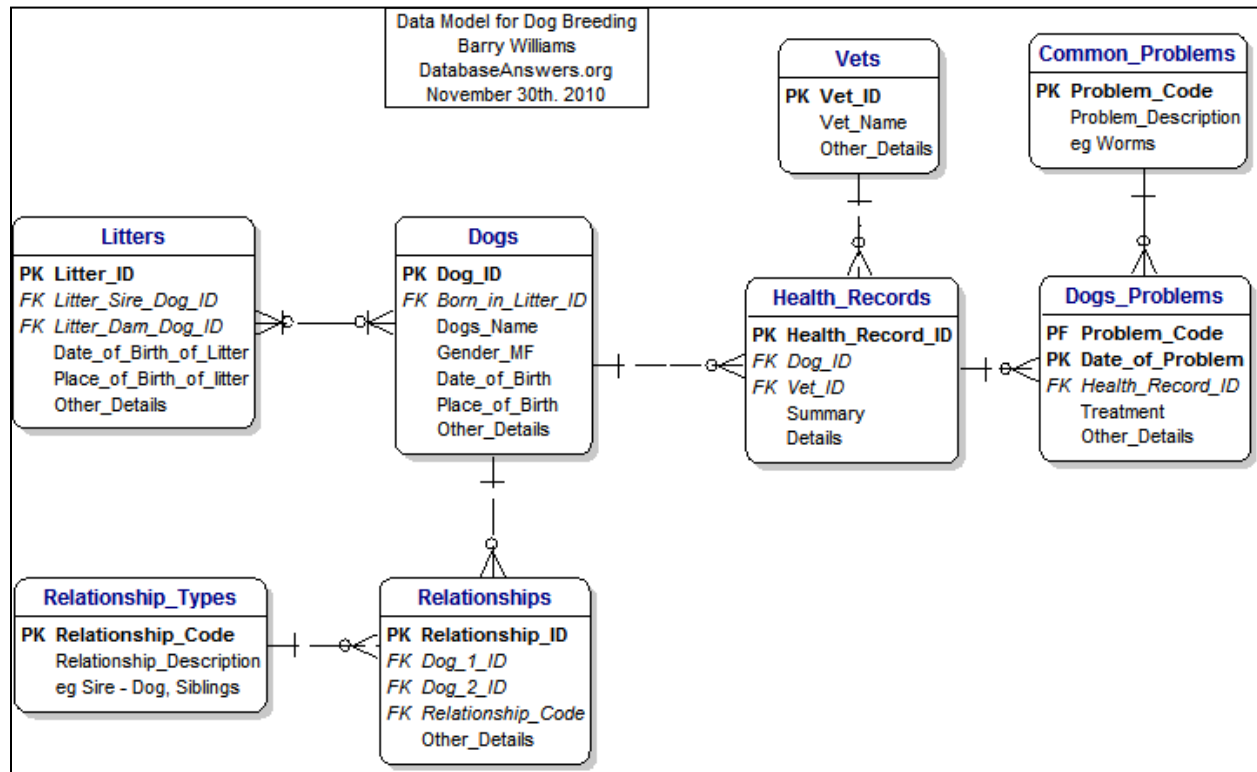
Data model:

https://fordnox.github.io/databaseanswers/data_models/dog_breeding/index.htm

Data Model for Dog Breeding
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November 30th. 2010

This is a data model for a dog breeding system. A system that is designed to track dog breeding, maintain their records, and manage various aspects of their health and lineage.
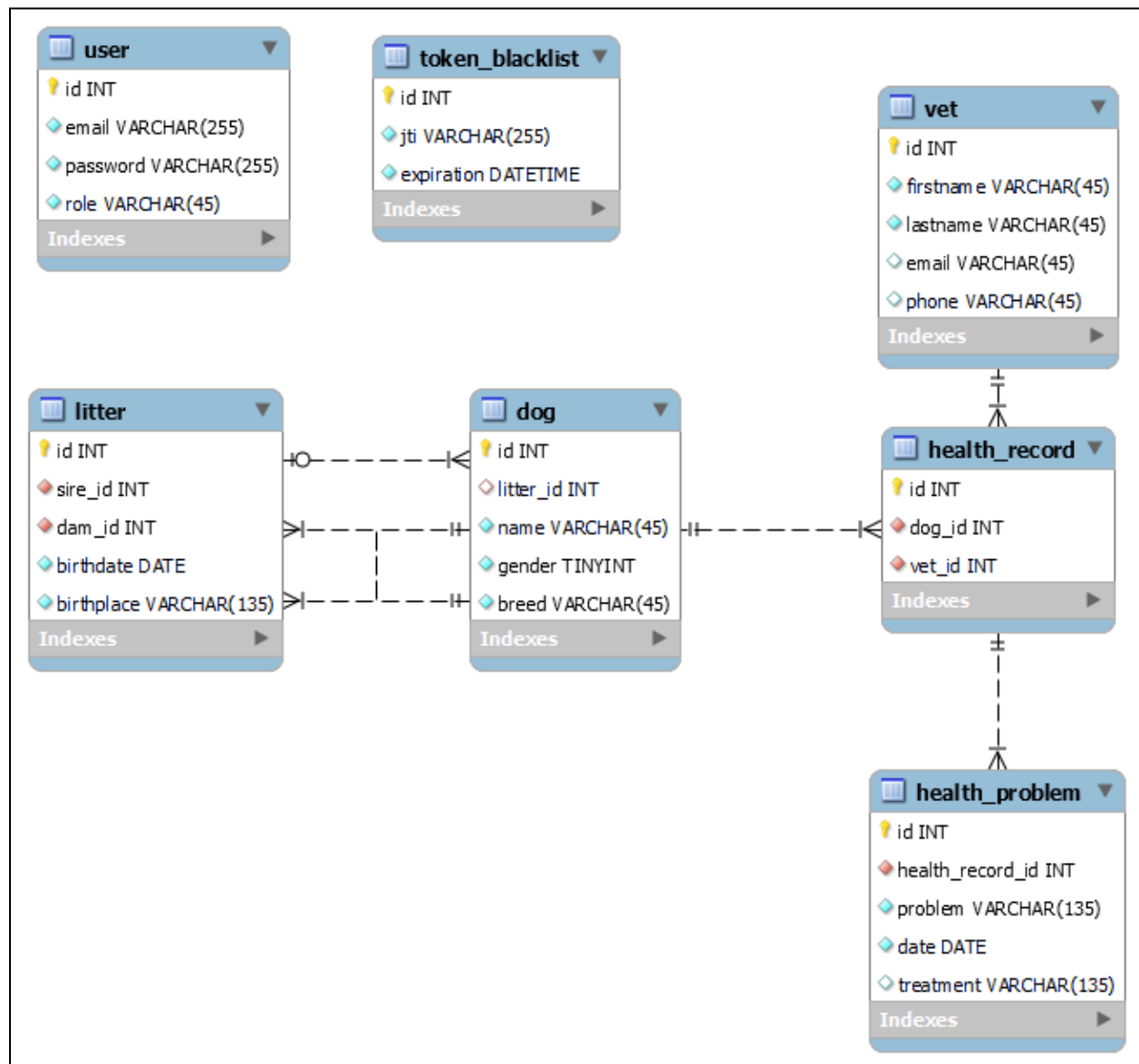
Original Scope & Key Components

1. **Dog Management**
   - Track dog details (name, gender, birth date, and place).
   - Record parentage and litter information.

2. **Litter Management**
   - Manage litter details (sire, dam, birth date, and place).

3. **Health Records**
   - Track health records and treatments.
   - Link health records to vets and common problems.

4. **Veterinary Management**
   - Store vet details and link to health records.

5. **Common Problems**
   - Maintain a list of health problems and treatments.

Original System:

- 8+ tables

- Complex reference system

- Detailed client profiling

- Complete payment tracking

- Staff management system

- Multiple contact methods

Minimized Scope - Essential Features Only

Example User Stories (Simplified)

1. **As a Breeder**
   - "I want to record the details of a new litter, including sire and dam information."
   - "I want to view the lineage of a specific dog to plan future breeding."

2. **As a Buyer**
   - "I want to browse available dogs and view their details (name, gender, birth date)."
   - "I want to check a dog's health history before purchasing."
   - "I want to see a dog's parentage to assess its background."

3. **As a Vet**
    - "I want to update the health records of a dog after a check-up."
    - "I want to document treatments for common health problems."
    - "I want to access a list of dogs with pending health issues for follow-up care."