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Chosen Mini World: *Pet Training School*

Scope:

- A database system for managing pets, their owners, trainers, classes, and training sessions.
- The system should allow owners to register pets, enroll them in training classes, track attendance, and record progress.

Expected Core Entities:

1. Owners
2. Pets
3. Trainers
4. Classes
5. Sessions
6. Payments
7. Progress Reports

Main Relationships:

- Owners *own* Pets.

- Pets *enroll in* Classes.
- Trainers *teach* Classes.
- Pets *attend* Sessions.
- Owners *make* Payments.
- Trainers *record* Progress Reports for Pets.

1.1 Functional Requirements

1. The system must store **owner details** such as name, contact, address.
2. The system must register **pets** such as name, species, breed, age, medical notes.
3. The system must allow **class creation** such as class type, description, schedule, cost.
4. The system must track **trainer assignments** to classes.
5. The system must track **pet enrollment** into classes.
6. The system must record **training sessions** such as date, time, attendance.

7. The system must allow trainers to enter **progress reports** per session/pet.
8. The system must track **payments** made by owners.

1.2 Data Requirement must have (Entities + Key Attributes)

- **Owner:** owner_id (PK), name, phone, email, address
- **Pet:** pet_id (PK), name, species, breed, age, owner_id (FK)
- **Trainer:** trainer_id (PK), name, specialty, phone, email
- **Class:** class_id (PK), name, description, schedule, cost, trainer_id (FK)
- **Session:** session_id (PK), date, time, class_id (FK)
- **Enrollment:** enrollment_id (PK), pet_id (FK), class_id (FK), enrollment_date
- **Progress Report:** report_id (PK), session_id (FK), pet_id (FK), notes, grade
- **Payment:** payment_id (PK), owner_id (FK), amount, date, method

2.6 Requirement → Entity/Relationship

- Register pets → **Owner, Pet**
- Assign trainers → **Trainer, Class**
- Track enrollment → **Enrollment**
- Track attendance → **Session, Enrollment**
- Record progress → **Progress Report**
- Record payments → **Payment, Owner**