

Basketball Training Database

Zachary Villa
DTSC 250
Professor Huddell

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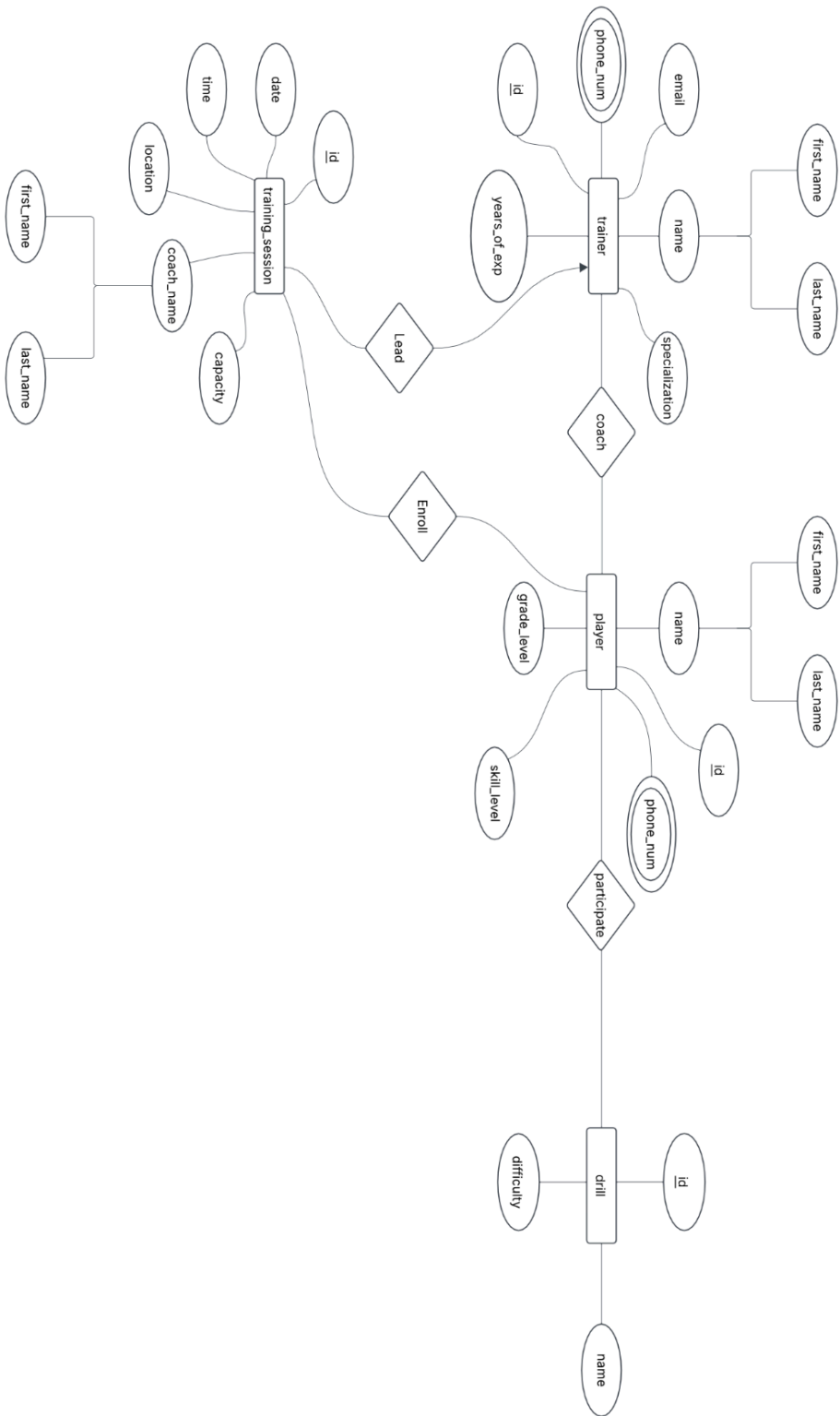
Quick Overview

This database represents client and scheduling information for a basketball training group. Trainer information is collected to assign trainers to lead training sessions. Player information is collected to allow players to enroll in training sessions. Drills are assigned difficulty levels and are selected based on a player's grade and skill level by the trainer. Players participate in drills and are coached by the trainer.

Data and Functional Requirements

1. **player:** The database stores player details, including a unique id number (*id*), name (*name*), grade level K-12, college, or pro (*grade_level*), multiple phone numbers (*phone_num*), and skill level of 1-5 (*skill_level*).
2. **trainer:** The database stores trainer details, including a unique id number (*id*), name (*name*), years of experience (*years_of_exp*), specialization (*specialization*), and multiple phone numbers (*phone_num*).
3. **training_session:** The database stores training session details, including a unique time slot id number (*time_slot_id*), day of the week (*day*), start time (*start_time*), end time (*end_time*), and location (*location*).
4. **drill:** The database stores drill details, including a unique id number (*id*), name of the drill (*name*), and the difficulty level beginner, intermediate, or pro (*difficulty*).
5. A trainer can **lead** multiple training sessions but a training session has one trainer.
6. A trainer is a **coach** of multiple players and multiple players have multiple trainers.
7. Many players **participate** in many drills.
8. Many players **enroll** in many training sessions.

ER Diagram



Relational Schema

