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Selecting a Mini World

For my project, I selected the mini world of **Online Career Coaching**. I chose this scenario because it reflects a real and growing field where professionals seek guidance from career coaches to improve their resumes, prepare for interviews, or plan long-term career goals. The system involves multiple interactions between coaches and clients, including scheduling sessions, processing payments, and collecting feedback. This makes it a practical and manageable choice for database design, since it allows me to capture the essential relationships and processes in a structured way.

System design requirements

To determine the requirements of the system, I researched how online coaching services typically operate. I found that the core of the system revolves around five key entities: coaches, clients, sessions, payments, and feedback. Coaches need to be stored in the system with their names, emails, and areas of expertise. Clients need to be recorded with their names, contact details, and unique emails. Sessions must link a coach and a client to a specific date and time, including details such as duration and session status. Payments are connected to sessions and must include the date, amount, method of payment, and payment status. Finally, feedback allows clients to rate sessions and provide comments, which helps measure the quality of coaching services. These requirements form the basis for the entity-relationship diagrams and the database implementation.

Final Report

The final database successfully models the online career coaching mini world. It supports the core needs of the system, including managing coaches and clients, scheduling sessions, processing payments, and collecting feedback. The design is both accurate and flexible, and it could be expanded in the future to include features such as group coaching sessions, coaching packages, or automated billing reminders. Through this project, I learned how to translate real-world requirements into a structured database design and how to use MySQL Workbench to implement and test a relational database system.

books

Feedback

Coach

has

Session

Payment

Client