2.1

Assumptions:

* The group classes have trainers
* Billed manually
* Trainers set schedules with available times, admin can schedule group classes based off those times

Starting with the 3 main actor tables, member, trainer, and administrator. From there we added exercise to fulfill the logging and to track progress for goals and metrics. We combined individual scheduled time for trainers with the group classes the admins can make with the class table, and stored the trainer set schedule in a separate availability schedule. We added the building to store the room data for classes and equipment, which is expandable for multiple locations. Equipment tracks date and has a location. The trainer and admin were merged intor employee for simplicity. And invoice was added to track owing from classes and membership. Dates are stored as timestamps.

A diagram of a club

Description automatically generated with medium confidence

2.2

A screenshot of a computer

Description automatically generated

2.3-2.4

See SQL directory

2.5

Using an OOP approach