

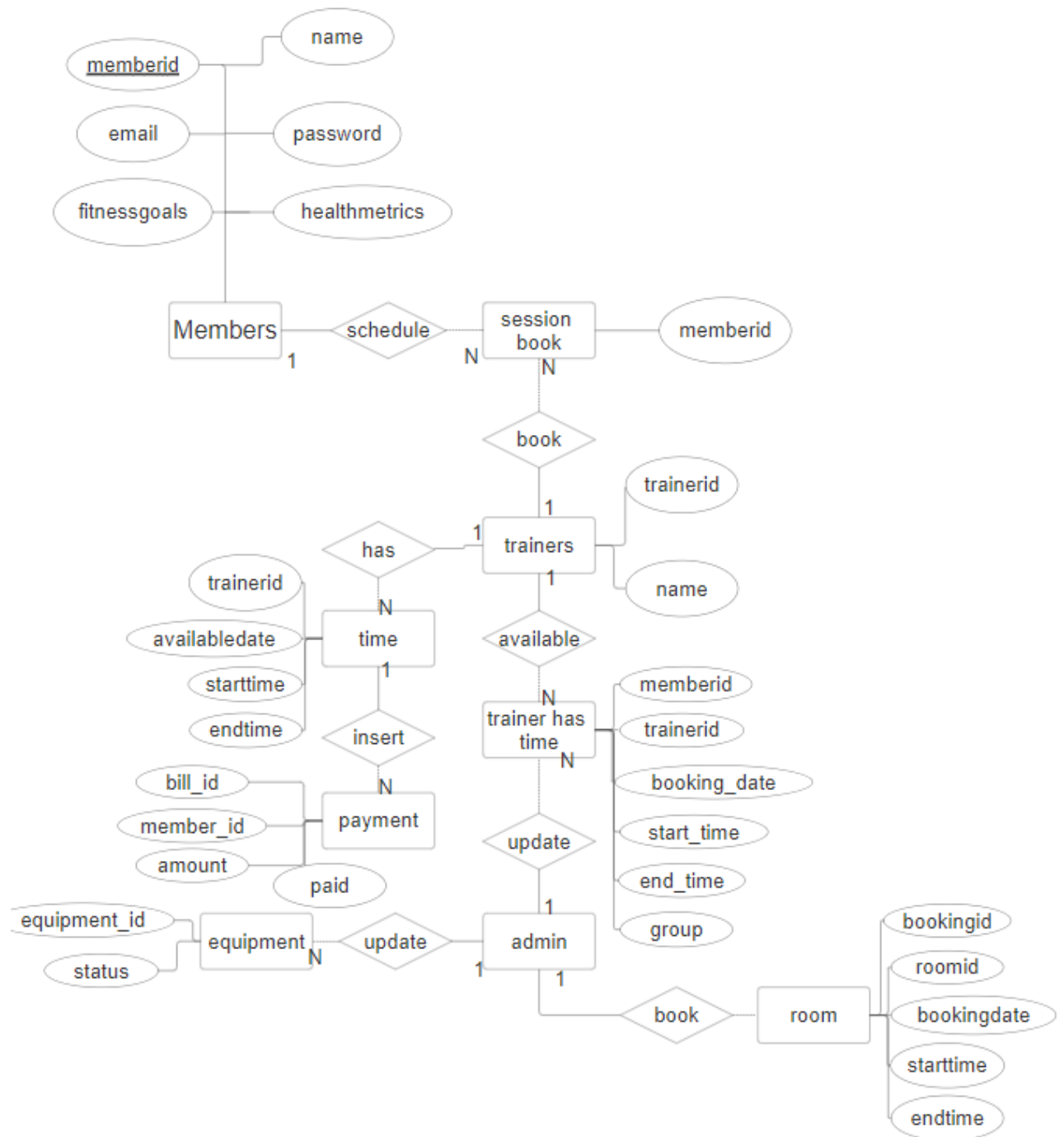
COMP3005
Final Project V2

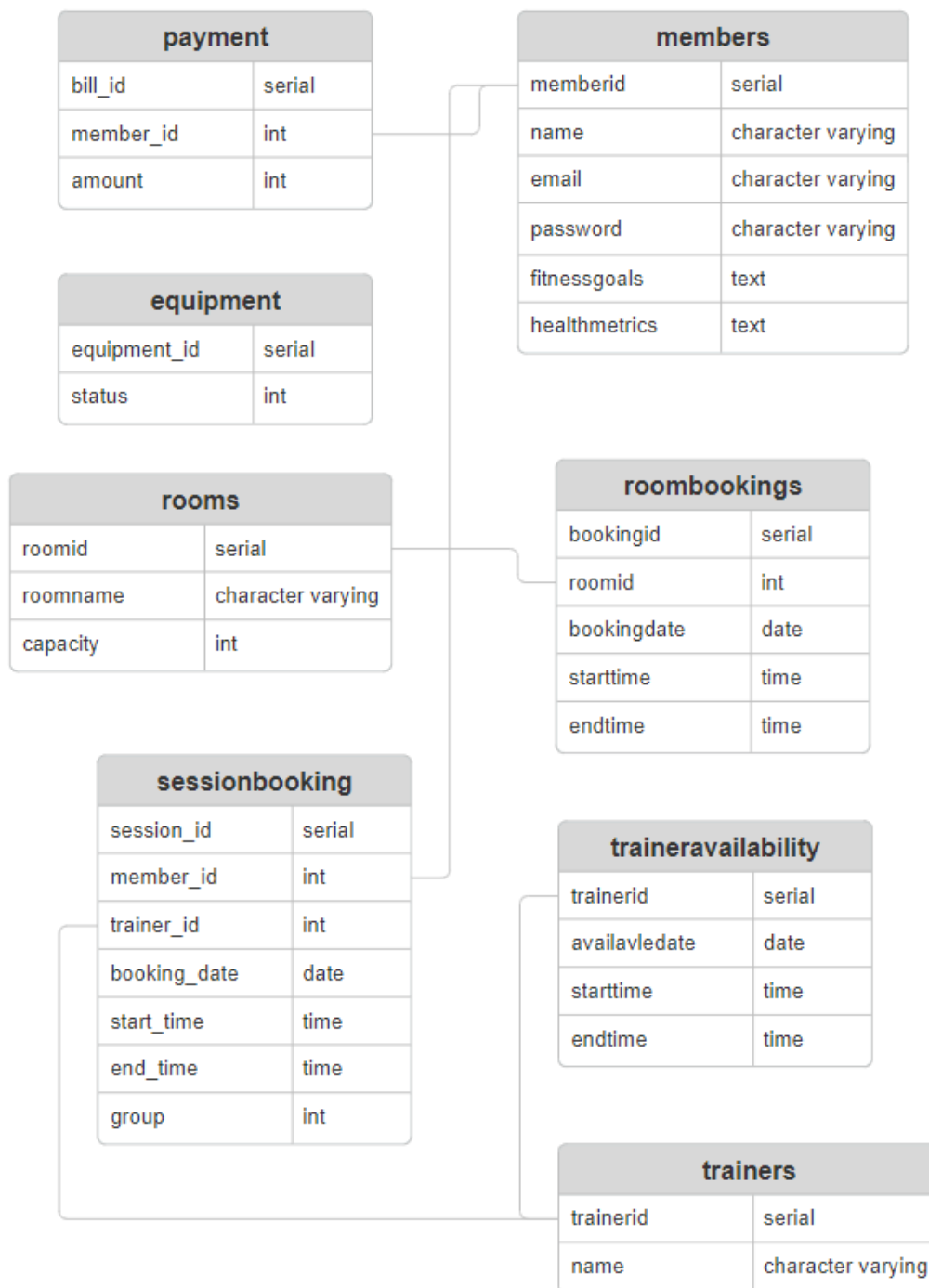
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Date: 2024/04/12

Github link: <https://github.com/SuperMan-Sam/COMP3005-Project-V2/tree/main>

ER-Diagram:





DDL link:

<https://github.com/SuperMan-Sam/COMP3005-Project-V2/blob/main/SQL/DDL.sql>

DML link:

<https://github.com/SuperMan-Sam/COMP3005-Project-V2/blob/main/SQL/DML.sql>

Requirement	Assumption
User Registration	Users will register by entering their name, password, email, gitnessgoals and healthmetrics
Profile Management	Users will update existing content by entering their new personal information, fitness goals, and health metrics.
Dashboard Display	Users will enter their member id to view their information
Session Schedule Management	The user will select group or personal for session registration, and also enter member id, trainer id, reservation date and time
Trainer Schedule Management	Trainer enters the date and time to add his own available session time
Member Profile Viewing	Trainer enters member name to

	query member information
Room Booking Management	Admin enters the room number and date and time to book room
Equipment Maintenance Monitoring	The admin enters the equipment id to set the status of the target.
Class Schedule Updating	The admin enters the session ID and the content to be modified to update the schedule.
Billing and Payment Processing	When a member book session automatically inserts a \$100 payment, the member can pay to reduce the remaining required payment amount of the payment.

Implementation: In this project, I use Python to implement database management. The files include: db.py, admin.py, function.py, main.py, member.py and trainer.py

Among them, main.py is the main startup file. When the user starts main.py, he will see the detailed introduction of the operation. db.py is the database connection related content. Setting the database information is also in db.py. admin.py, as the name suggests, is Administrative Staff Functions. . trainer.py is Trainer Functions. member.py is Member Functions. And function.py is a general function, such as detecting whether

certain specific data in the database exists. Running main.py using python will output the user box, where you can select the member, trainer or admin menu. The member menu includes registration, updating member information, deleting members, viewing member information, book session and paying bills. The trainer menu includes setting available time and searching for members. The admin menu includes room booking management, updating session information and equipment operations.

Youtube link: <https://youtu.be/m3DnIzS9H7g>