

Contributors:

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Youtube video: <https://youtu.be/KDfnUDlImFc>

Overall Assumptions

- Trainers manage their schedule and set when they're available, admins use this info to book classes, members use this schedule to book
- Assume that logging in is done without password
- Assume that payment is done without credit card
- Assume that trainers and admins cannot register as this was not specified in the specifications
- Assume there are no refunds
- Assume there is no need for members to deregister from group classes as it was not specified in the specs
- Assume a member profile when searched by a trainer is their info, fitness goals, and health metrics
- Assume that once a fitness goal is complete it becomes a fitness achievements

CHANGED: DDL AND DML are found in the SQL sub folder

FOR LINKS, CONTROL CLICK ON THE LINK

2.1

ER Diagram: ER\_Model.drawio.png

This database is designed to hold all of the required information to keep track of for a fitness app. The app has three types of users: members, trainers, and admins.

Our program can do everything listed in the problem statement and required functions

Assumptions for database design

- Most things are self explanatory or talked about in video
- Assume members don't need to have group\_fitness, pt\_session, exercises, achievements, fitness\_goals, health\_metrics, bills, but all of those need a member
- Assume members can have multiple of all those things, and all those things can have 1 member (except for group\_fitness)
- Assume all pt\_sessions, group\_fitness, and available\_times (schedule) have a trainer, but not every trainer has one of those
- Assume those things have one trainer apiece, whereas trainers can have multiple of those

- Assume one payment has one bill and vice versa, assume all payments have a bill, but not all bills have a payment
- Assume all room\_bookings need a room, but not all rooms need a room\_bookings
- Assume each room\_booking has one room, but each room can have many room bookings
- Assumed admins aren't really related to anything in database
- Assumed equipments aren't really related to anything in database

## 2.2:

Relational Schema:RelationSchema.drawio.png

## 2.3

DDL File: SQL/DDDL setup.sql.

## 2.4

DML File: SQL/DML setup.sql

## 2.5

Our application is a command line interface

Our application was made using python

Our application uses a Postgresql SQL database to store information

## 2.6

Optional

## 2.7

Github link: <https://github.com/Derrocchi/FinalProject3005>