

COMP 3005 Final Project

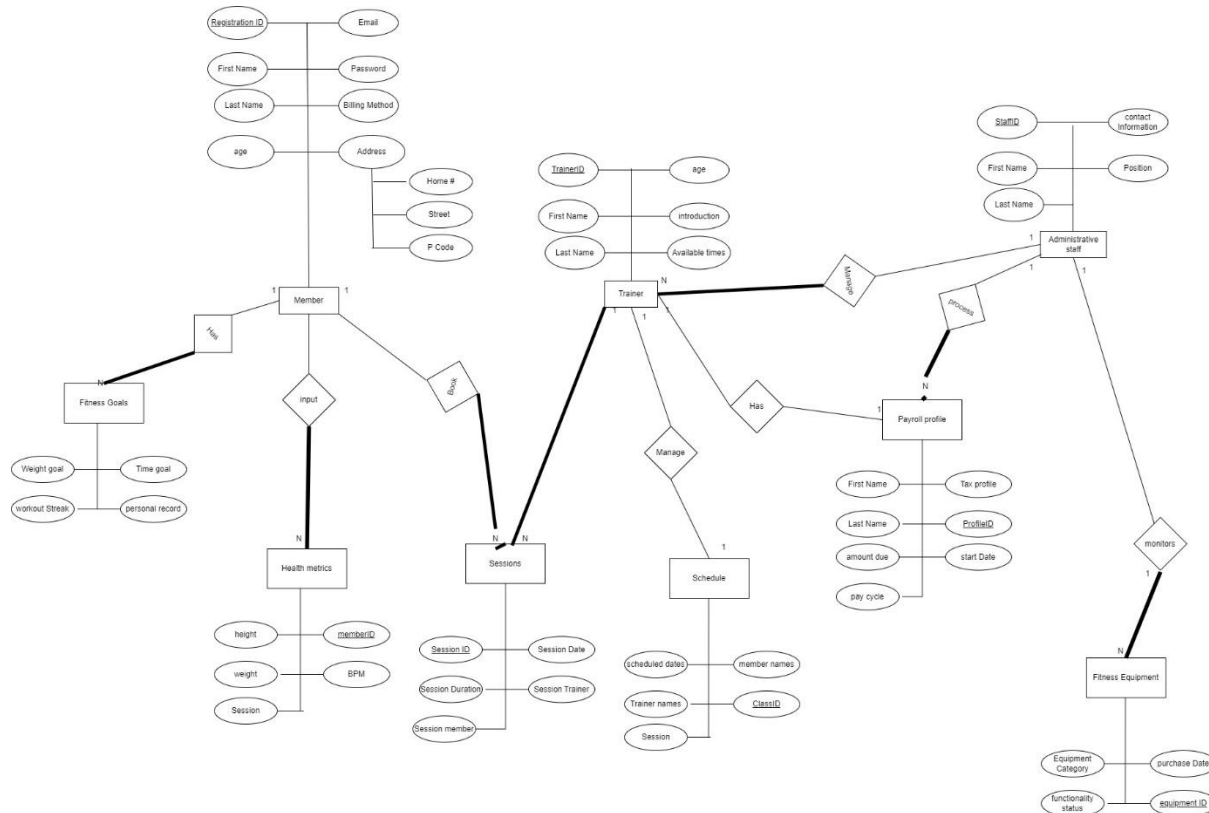
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Conceptual Design



Requirements:

- System will be able to allow Members to create profiles and manage it.
- Members can specify their fitness goals which are their weight, time, and input health metrics.
- On the UI, there should be a place where members can view their personalized dashboard that tracks exercise routines, fitness achievements, and health statistics.
- Members should be able to schedule, reschedule, or cancel personal training sessions with certified trainers. Additionally, they should be able to register for group fitness classes.
- Trainers should have the ability to manage their schedules and view member profiles.
- Administrative Staff should be equipped with features to manage room bookings, monitor fitness equipment maintenance, update class schedules, oversee billing, and process payments for membership fees, personal training sessions, and other services.

RELATIONAL SCHEMAS



I based it off the cont contains all the requirements in the conceptual design, but here it specifies the primary and foreign keys. It also show their relationship

2.3 DDL File

The DDL file can be found at this link:

<https://github.com/Omar-Hamzat/COMP3005-PROJECT/blob/main/SQL/ddl.sql>

2.4 DML File

The DML file can be found at this link:

<https://github.com/Omar-Hamzat/COMP3005-PROJECT/blob/main/SQL/dml.sql>

2.5 Short description

The Health and Fitness Club Management System is a web application designed to manage various aspects of a health and fitness club, including member profiles, trainer schedules, room bookings, equipment maintenance, class schedules, billing, and payments for membership fees and personal training sessions. It makes use of SQL or the database and uses python and html for the site and functionalities.

2.7 Github Repository

The Github repository can be found at this link:

<https://github.com/Omar-Hamzat/COMP3005-PROJECT>

3 Video presentation:

<https://youtu.be/BByu4W7wn68?si=d2QlhTYkTD9FQ6Gr>