

COMP 3005 – WINTER 2024 – Final Project Version 2

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COMP 3005 - Winter 2024- Project: Health and Fitness Club Management System

Conceptual Design:

In our application for the health and fitness management system, we have 3 types of users such as members, admin users, and trainers. We have created this application such that the members have access to create an account and sign into an existing account, such that each member profile has a health metric that they can update as needed. They also have a bill of default value of 50\$ such that it is their monthly fee charged. They can also pay their current balance. The members have the option to delete their profiles, under the condition they pay off their current balance. The members have access to create and delete exercise routines and view the ones they created. The members can also create a fitness goal and if they complete it they achieve a fitness achievement. The members can also view all fitness classes available, and then enroll and un-enroll as desired. The member's exercise routines are user input after they complete a workout, such that they put in their health stat info and their exercise details. The admins have control over creating group classes and creating private sessions for trainers based on the availability that they established. The admins must sign in - cannot sign up to become an admin. Admins also have control over their maintenance booking. The trainers have fewer responsibilities, they must be established (such that they cannot sign up), and they must create availabilities for each day and for the hours they desire. The sessions (group class or private) are made such that they must book a room and specify the capacity, time ect. For the purposes of displaying sessions, we filter through the sessions on those parameters to differentiate from group vs private sessions.



