



GrizzFit

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Project Description

A database for a fitness application. Due to the prevalence of athletes, fitness enthusiasts, and the average person trying to get in shape, we would like to create an application that facilitates the goals of the intended users.

To provide users with a viable electronic companion that helps them reach their goals we need the implementation of a database. The database will be used for a multitude of reasons. Users will be able to select workout plans based on their current physical activity, each workout plan will also have its own weekly schedule. To differentiate ourselves from similar applications, we plan to make the application contain databases with Personal Trainers and gyms in the Auburn and Rochester Hills areas.

Functional Requirements

Users:

- Login/Register

- View member information

- View Workout exercises along with sets and repetitions

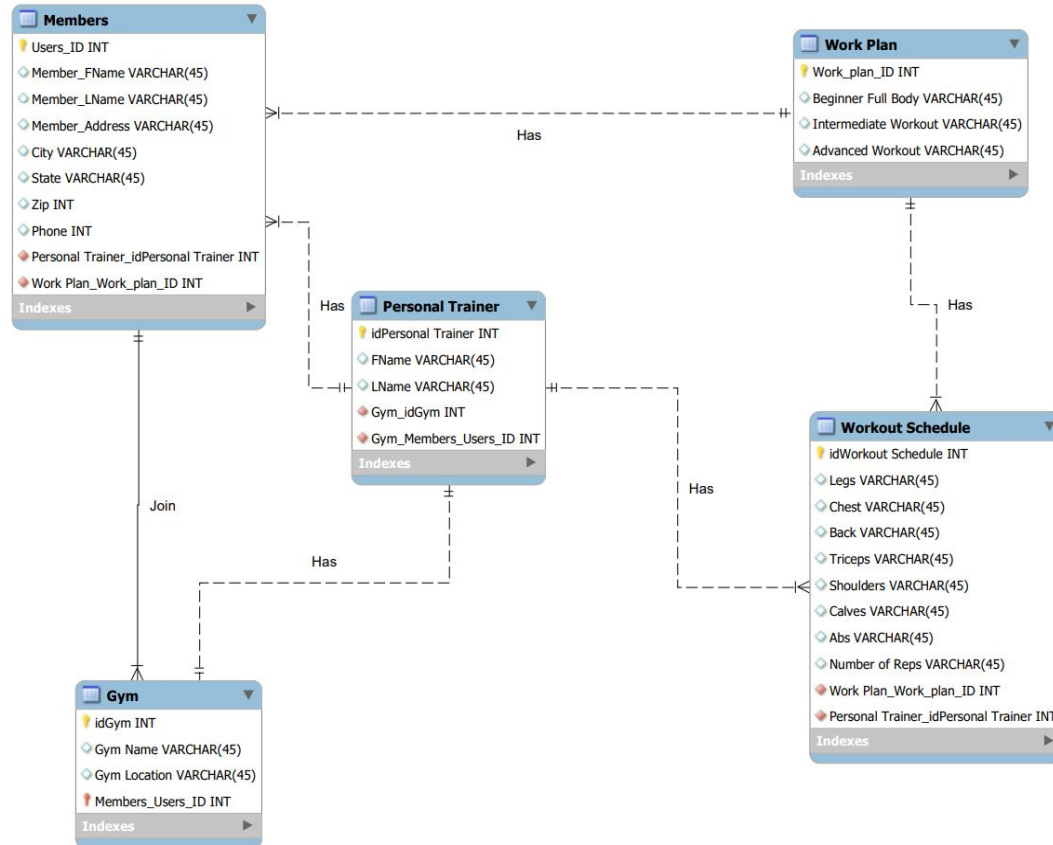
- Increase or Decrease Workout Difficulty

Administrators:

- Requires fields to be filled.

- Does not allow same user to be registered.

ERD Diagram



Tools Implementation

We used Python, Tkinter, and mySQL, to implement this project.

To connect this database we used mysql connector library from Python

By connecting to the database we were able to get information about the users.

By connecting to the database administrators are able to restrict certain users from registering similar users.

We used TKinter for the GUI part of the project.