**Personal Trainer Console Design Document**

**Project Objective**

To create a web application that allows the user(personal trainer) to upload their client list and mange workout plans. Plans will be fully customizable by user, and have a section for detailed notes if necessary.

**Project Components**

Front-end: Angular 12

Back-end: PHP 7.2

Database: SQL

**Front-End**

**API Service**

An API service for the Angular front that consumes returns from the REST PHP API.

**Model**

The model for the web application is a created “User” type. This type has attributes for every needed data value in the application.

**Dashboard**

The initial landing for the web application. This view displays all of the user’s clients and their subscription status. Can navigate to “User Detail” view by choosing a profile to update.

**User Detail**

A detailed view of a selected user profile. Will display name, subscription, and current workout plan. User will have ability to edit the workout plan, create new exercises, and delete exercises. Can navigate back to “Dashboard” via a ‘User List’ button.

**Router**

Router component that determines which view component the user will be directed to depending on the URL past the base domain name.

**Back-End**

**Read.php**

Returns a list of all current client profiles from the ‘users’ table

**Create.php**

Gets a HTTP Post request to create a new user profile, and auto generate a workoutID/dietID to the ‘users’ table

**Update.php**

Gets a HTTP Put request to update a user profile from the ‘users’ table

**Delete.php**

Gets a HTTP Delete request to delete a user profile from the ‘users’ table

**GetUser.php**

Gets a HTTP Get request to return a user profile from ‘users’ table, with a list of all their workouts from the ‘workouts’ table

**Database.php**

Creates a connection to the SQL database

**UpdateWorkout.php**

Gets a HTTP Put request to update an individual exercise from the ‘workouts’ table

**DeleteWorkout.php**

Gets a HTTP Delete request to delete a workout from the ‘workouts’ table