**Proposal Template:**

**Project Participants:**

List all group members here. Just write your name if you are working solo.

 Adam Moore

**Title:**

Workout database

**Executive Summary:**

My project is intended to create a microservice that allows a personal trainer to create workouts, exercises, and client data on their own database. This will allow them to keep better track of their clients and also their exercise programs.

**Initial Features:**

Create a bulleted list of planned features you plan to have completed in your project by the deadline. This should include a list of API endpoints for each feature. If you are working in a group, please note which team member will be assigned to each feature.

Example of list of Features/Endpoints for a Library API:

* Entities: Clients, workouts, exercises, categories
* A User can perform the following operations:
  + Login, and use system
  + As a personal trainer I would like to be able to:
    1. Create a workout and assign a specific client to it so that they can view their workout for the day.
       - Route: POST/clients/{client\_id}/workouts
    2. Modify workouts to adjust for progress in the clients ability.
       - Route: PUT/clients/{client\_id}/workout\_id
    3. Quickly look up a workout when clients have questions.
       - Route: GET/workouts/workout\_id
    4. Delete a workout if I can’t find a use for it anymore.
       - Route: DELETE/workouts/workout\_id
    5. Create client profiles to be able to track progress and to get to know more about their background.
       - Route: POST/ clients

**Stretch Goals (to be completed if time allows, or after graduation):**

* Create a limited access level so clients can only view their workouts assigned by their trainer.
* Create programs consisting of different workouts.
* Add more client related data (Their scheduled days to work out, skill level, health risks/complications, etc)