# CSIS 3126 Design Project

# TrainerPro Project Proposal

Problem: People who want to start working out or looking to find personal trainers can be limited to certain constraints. It can be hard for clients to find a personal trainer that is right for them based on style of teaching and helping them achieve their specific goals.

Notes/Ideas:

* A client can view multiple trainers based on preferences (yrs of exp.., rate, gender, age, goals)
* A trainer can have a basic or premium subscription
* A dashboard where trainer can edit and client can see like meal plans, workouts, and charts for progress
* Pages (Dashboard, Workout, Nutrition, Trainers, Find Trainer, Login, Signup, Messages)

Tables:

* Trainer
* Client
* Job
* Nutrition
* Workout
* Messages

Tech Stack:

* React frontend
* Bootstrap and scss for styling
* Redux for global state management
* Python + fastapi for backend
* MySQL for database

Business Rules:

* A client can have multiple trainers (not likely but if they want, they can)
* A client can find trainers
* A trainer will be more likely to show at top with a premium subscription

Client Flow:

* Login
  + If client does not have account, create account and register as a client
* Taken to main dashboard after login
* If profile page has no data, load popup that client will fill out to become seen by trainers
* After this, client can navigate to “trainers” tab to find a trainer to work with
* Client can go through trainer profiles and see who he wants to work with
* After finding one, client will send a message to trainer by clicking, “contact now”
* From there trainer and client will converse and when ready client can setup his workout plan and nutrition if needed. Trainer will be able to make edits to nutrition and workout plan
* Clients can make payments to trainer via stripe API through the pay button and a payment due button will be shown when time to pay is approaching

Trainer Flow:

* Login
  + If trainer does not have account, create account and register as a trainer
* Taken to dashboard after login with popup to fill out trainer details
* Trainer once profile is setup will click “submit” to have there profile officially online to be seen by potential clients
* If a client sends them a message, a trainer will be able to respond back and converse.
* A trainer can edit and make changes to clients workout plan, nutrition plan, and body markers as needed.

ERD Diagram:

A diagram of a work out

Description automatically generated with medium confidence