# CSIS 3126 Design Project

# TrainerPro Project Documentation

**Problem:** People who want to start working out or looking to find personal trainers can be limited to certain constraints (yrs of experience, age, specialty). 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.

**Tech Stack:**

* React frontend
* Bootstrap and CSS for styling
* Python + Flask for backend
* MySQL for database

**User Stories:**

1. As a client, I want to search for trainers by specialty and location, so that I can find the best fit for my goals.
2. As a client, I want to view trainer profiles before selecting one, so that I can learn more about their background.
3. As a client, I want to select and connect with a trainer, so that I can start working on a personalized program.
4. As a client, I want to update my own progress (e.g., weight, body fat) regularly, so that I can track my fitness journey.
5. As a client, I want to view my past progress entries, so that I can stay motivated by seeing improvements.
6. As a client, I want to enroll in multiple programs assigned by my trainer, so that I can follow structured workouts.
7. As a client, I want to message my trainer through the platform, so that I can ask questions or get support.
8. As a client, I want to update my profile with fitness goals, age, and gender, so that my trainer can better assist me.
9. As a client, I want to view which programs I’m enrolled in, so that I can stay on schedule.

10. As a client, I want to view a list of all trainers, so that I can choose the right one based on experience and specialty.

11. As a client, I want to leave or change trainers if needed, so that I can find someone who fits better with my goals.

12. As a client, I want to manage my messages in an inbox format, so that I can keep track of communication with my trainer.

13. As a client, I want to register and select a “client” role during signup, so that I get the correct dashboard and options.

14. As a client, I want to log in securely with my email and password, so that my account is safe.

15. As a client, I want to view details about my trainer such as experience and specialty, so that I know who is guiding me.

**Flowchart:**

A screenshot of a game

Description automatically generated

**ERD Diagram:**

A screenshot of a computer

AI-generated content may be incorrect.

**Testing Plan:**

I decided to run Integration tests in the backend which include testing logging in features like using a wrong password, missing login fields, and edge cases like non-existent users. I used the **Python unittest** library to run tests.