

CS4092: Final Project "FitPlan" Requirments

Desc:

The database created for this project is to serve as data storage of a weightlifting-based web application where users can automate an exercise schedule. To achieve this, the database will need the following:

Supports Role:

- User: stores Username, Email, Password

Support storage of following records:

- User Preferences: 1 per user, but user does not need to define preferences. Must store user's preferred workout time, users preferred rest day increment (how long should the user rest after series of workouts), and days user prefers to workout
- User Exercise Dates: User must be able to create multiple Exercise Dates, but all Exercise Dates must be connected to a User. Must store event date, exercise / muscle group, event time
- User Workout Logs: connected to Exercise date in 1:N relationship, must be able to store weight, rep, set information

-- This Project includes a front-end that is currently unfinished, login page and register page are currently nonfunctional. Backend is complete with routes tested through thunder client VSCode plugin. Project Hosts backend through free NeonDB postgresSQL provider. Project is a PERN stack application. Project frontend initially intended to fulfill CS 3003 project, but did not follow paradigms covered in class

