University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: May 31, 2023

Group Number: 14

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Jonathan Han	82584830	jhan27	jonweshan@gmail.com
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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

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Timeline:

- **Front-End: CSS+HTML**
  - **All team members: Learning Phase - June 18th**
    - How to create a button and a table
    - How to place the button and table in the desired configuration
  - **Kashish & Jon: Implementation Phase - June 19th**
    - Buttons
    - Text-boxes
    - Images
  - **Login page - Kashish**
  - **Dashboard - Kashish**
  - **Profile - Kashish**
  - **Workout Log - Jon**
  - **Create new workout page - Jon**
  - **Specific completed workout - Jon**
  - **Training Plans - Jon**
  - **Specific plan - Kylee**
  - **Exercise info - Kylee**
  - **Goals - Kylee**
  - **Achievements - Kylee**

- **Back-end: SQL**
  - **SQL script to create all the tables and data in the database**
    - **Kylee: Inserting data - June 19th**
      - Create tables
      - Place data inside the tables
    - **Implementing functionality - June 19th & 20th**
      - Kylee: Button functions
        - Insert data
        - Delete data
        - Update data
      - Kashish: Trigger the data refresh once the button is clicked
      - All team members: Queries
        - Select
        - Projection
        - Join
        - Aggregation with Group By
        - Aggregation with Having
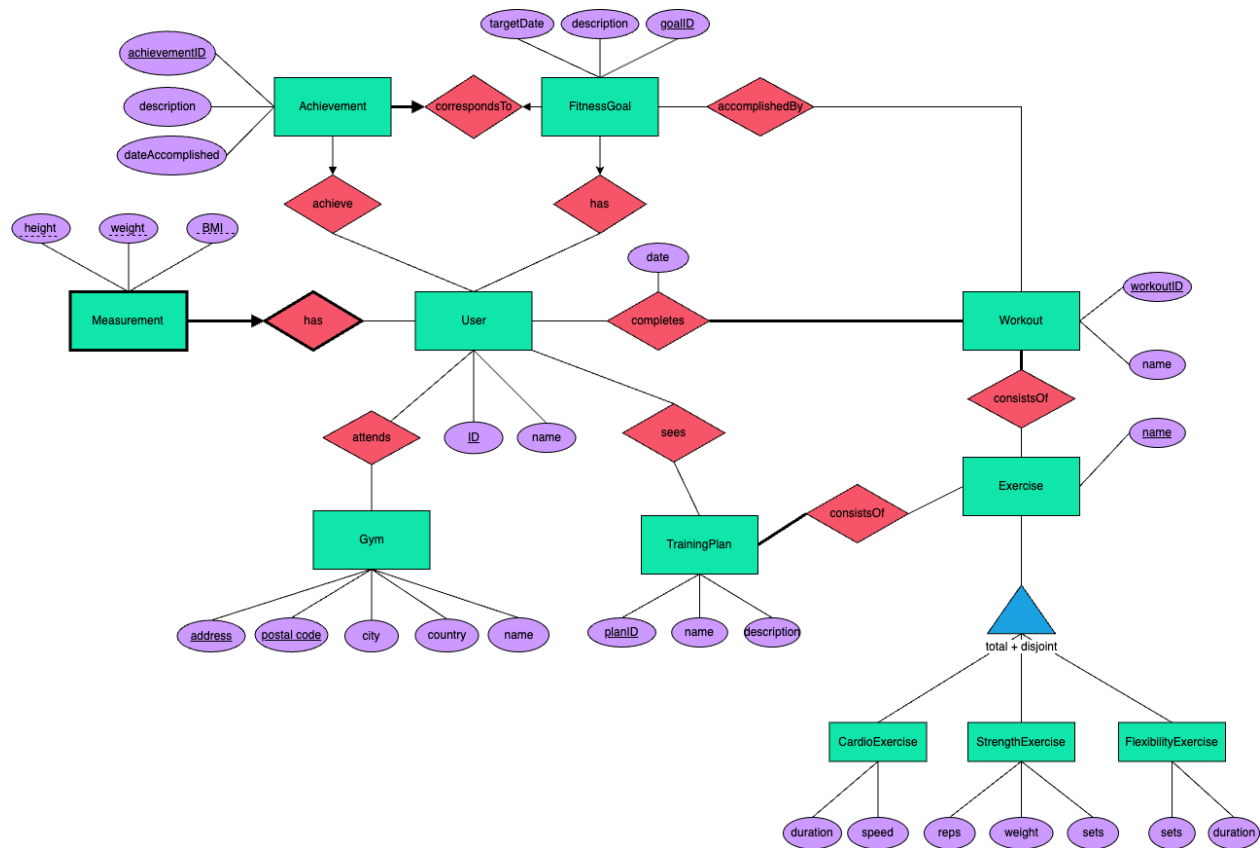   - Nested Aggregation with Group By
        - Division
  - **Login**

- - - User just types their specified ID to access their dashboard
  - **Profile**
    - Display info about user
  - **Workout Log**
    - Query list of all completed workouts for a user
    - Add completed workout functionality
    - Remove a completed workout functionality
    - Be able to click into a specific workout to get more info about that workout
    - Aggregation with group by/Aggregation with Having: sort/filter
  - **Create New Workout page**
    - Add exercises to list
    - Sort/filter through exercise list?
  - **Specific Completed Workout Page**
    - Query list of all exercises in that workout
    - Be able to click into a specific exercise to get more info (maybe show info just on the side of each workout in smaller test or something)
  - **Training Plans**
    - Query list of all training plans
    - Be able to click into a specific workout to get more info about exercises in a plan
  - **Goals**
    - Query list of all goals for a user
    - Be able to set a goal to completed which creates a new achievement
  - **Achievements**
    - Query list of all achievements for a user

- **All team members: Miscellaneous - June 20th**
  - README file (done)
  - Screenshots of a query result & data is present in each relation after the SQL initialization script is run
  - Project Description (PDF)

Github Link:
https://github.students.cs.ubc.ca/CPSC304-2023S-T1/project_j4i5v_j7r8j_r6z9i

Updated ER Diagram: Our group has decided to remove the 'ExerciseLog' entity and its associated relationships, as we found it was redundant with the 'Exercise' entity. Our group has added a 'TrainingPlan' entity with attributes planID, name, and description. A user can see different training plans, which consist of multiple exercises.

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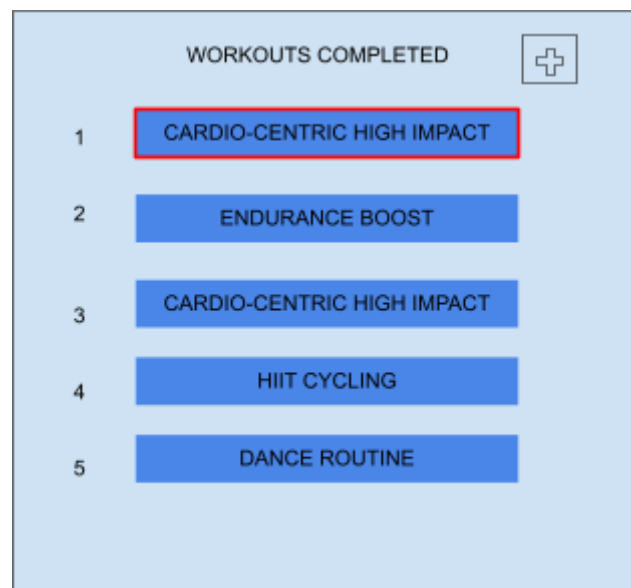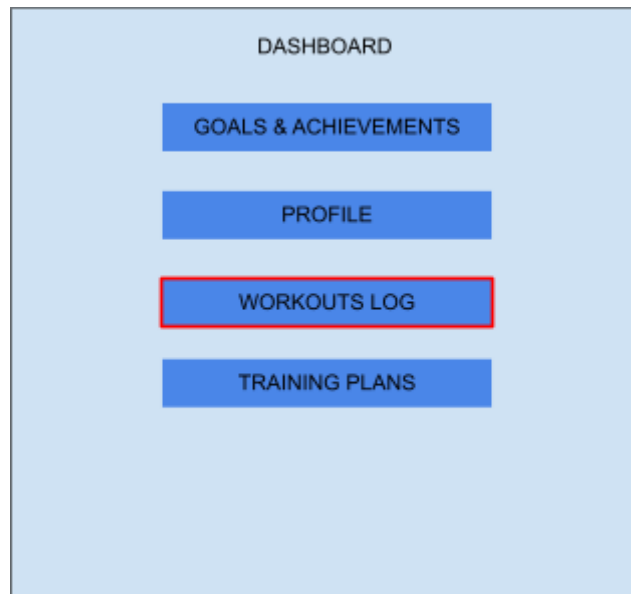Department of Computer Science

Description of Challenges/things left to do:

The main challenge we face in completing this project is that none of us have prior experience with PHP. However, we are determined to overcome this obstacle by utilizing various resources at our disposal. We plan to refer to online courses and tutorials specifically tailored for PHP programming. Additionally, we will make use of reputable online resources, such as documentation and forums, to seek guidance and solutions to any roadblocks we encounter. The timeline provided above outlines the remaining tasks we need to accomplish in the project.

GUI Sketch:

Note: most of the projects submitted in the past have multi-page navigation since compressing all your queries onto one page is not the best holistic design. (aka we will will probably need more than 1 page)

DASHBOARD

GOALS & ACHIEVEMENTS

PROFILE

WORKOUTS LOG

TRAINING PLANS

WORKOUTS COMPLETED ✚

1 CARDIO-CENTRIC HIGH IMPACT

2 ENDURANCE BOOST

3 CARDIO-CENTRIC HIGH IMPACT

4 HIIT CYCLING

5 DANCE ROUTINE

CARDIO-CENTRIC HIGH IMPACT
Date Completed: 07/28/2022

JUMP SQUATS AND LUNGES

SQUAT JUMP SEQUENCE

BOX JUMPS

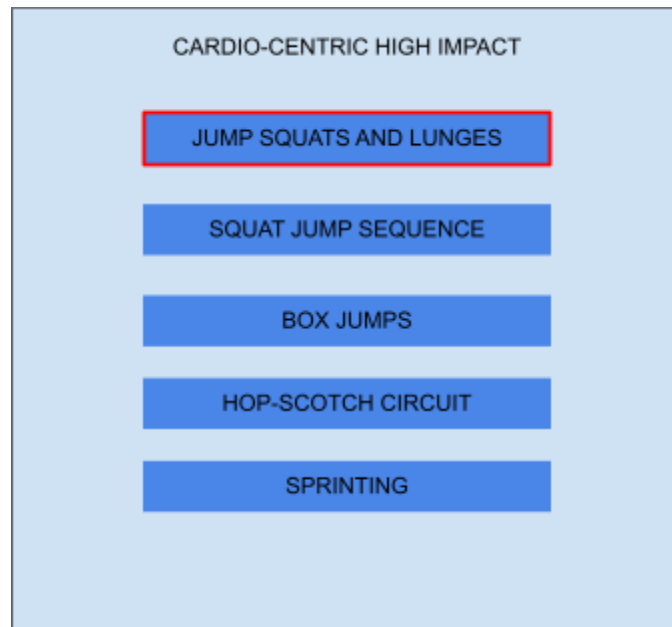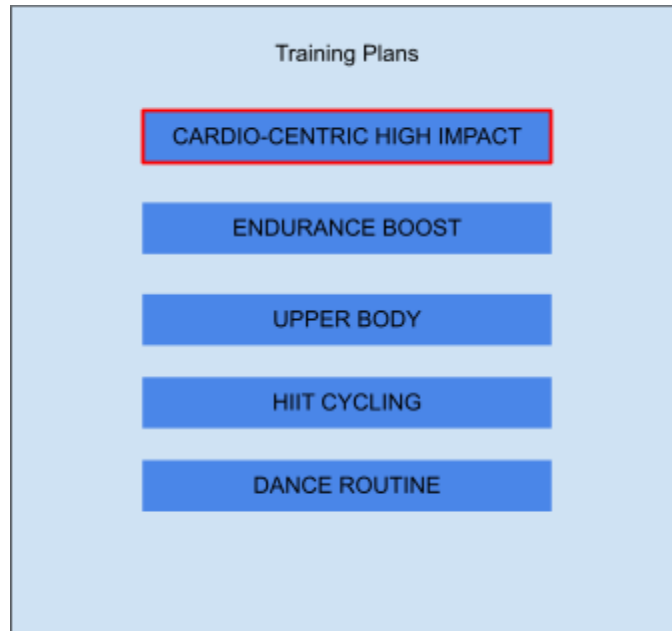HOP-SCOTCH CIRCUIT

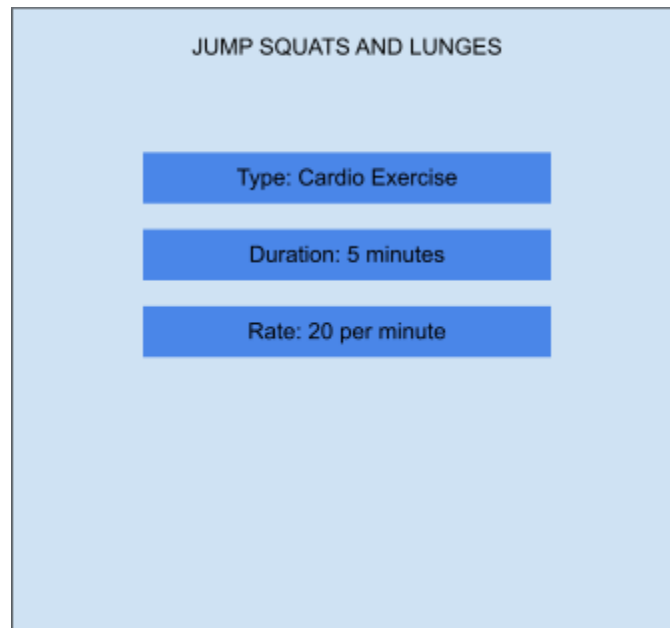SPRINTING

JUMP SQUATS AND LUNGES

Type: Cardio Exercise
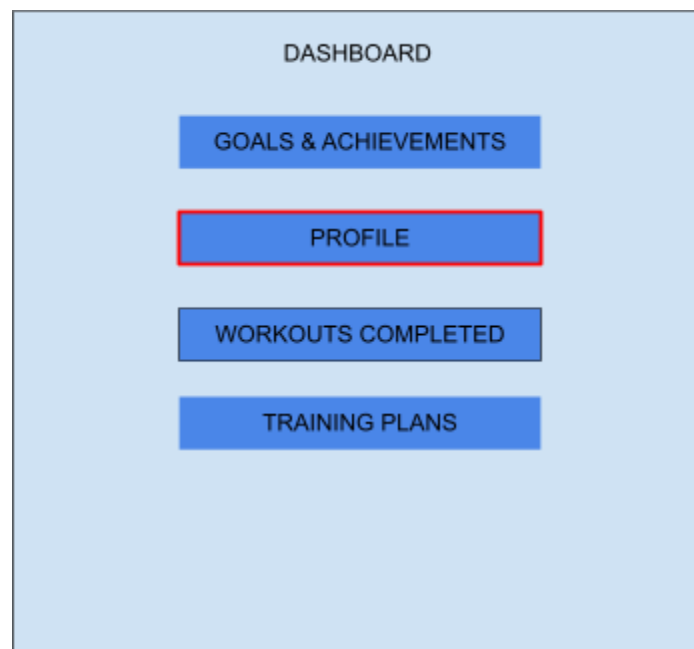
Duration: 5 minutes

Rate: 20 per minute

TRAINING PLAN

Training Plans

CARDIO-CENTRIC HIGH IMPACT

ENDURANCE BOOST

UPPER BODY

HIIT CYCLING

DANCE ROUTINE

CARDIO-CENTRIC HIGH IMPACT

JUMP SQUATS AND LUNGES

SQUAT JUMP SEQUENCE

BOX JUMPS

HOP-SCOTCH CIRCUIT

SPRINTING

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JUMP SQUATS AND LUNGES

Type: Cardio Exercise

Duration: 5 minutes

Rate: 20 per minute

PROFILE

DASHBOARD

GOALS & ACHIEVEMENTS

PROFILE

WORKOUTS COMPLETED

TRAINING PLANS

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FITNESS GOALS

1.	Complete 20 push-ups in a row : 1/01/2024

2.	Complete 20 push-ups in a row : 1/01/2024

3.	Complete 80 push-ups in a row : 1/01/2024