

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 33

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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

Domain of Application

Health and fitness, Tracking and Management, Self-Improvement

Aspects of Domain modeled by Database:

We plan on making a fitness tracking app. The domain of our application would be Health and Fitness. Users will be able to follow exercises, set fitness goals, and receive progress reports. This way we can assist users in keeping track of where they are now, and roughly what steps they could take to achieve their goals. Additionally, users can opt in for a personal trainer by paying a fee.

Database Specifications:

- Users can set multiple fitness goals,
- Users can view the goals they've created, input their current progress and edit their goals accordingly.
- Query All types of exercises, and set up a program
 - Potentially create new exercises and post them (only trainers)
- App can automatically query users' goals to calculate and create progress notifications / reminders
- App can query own goals to generate a progress report for users
- Users can access contact information of their trainers

Application Platform:

Technology Stack: ReactJS, Node.js, Oracle SQL, Git

The project will be potentially hosted on AWS' free tier using S3 (frontend), EC2 (backend), and RDS (Oracle SQL)

ER Diagram:

