

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 64

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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

Project description:

The domain we are going to model is exercising. That is, we are going to focus on the data that is stored about the gym at a fitness branch.

We will focus on the gym at a fitness branch. This includes things like coaches, clients, and equipment at the branch, and information specific to the equipment (name, price, and size), the client and the coach (name, id and age). Clients will have workout programs and goals, they will focus on different exercises and use different equipment.

The benefits that the database provides to the application are 24/7 access, concurrent access, recovery from crashes, single data source (security, integrity) and uniform data administration/maintenance and reduced application development effort/time.

The fitness center has clients, coaches, and equipment.

Each fitness center will keep track of its coaches and clients using personal info (name, id, age). The coaches will have a list of clients that are assigned to them depending on their specialty, who will have certain focuses (lifter, runner). The clients set their goals with the center, and have a personalized workout plan. Each workout from the plan consists of exercises, which are identified by name, as well as the exercise details (weight, reps, sets). An exercise requires the associated piece of equipment. Equipment name and price, as well as size are recorded by the fitness center to keep track of their assets. This helps the center identify what their clients need.

This project will be developed in PHP, using the CPSC department's Oracle database system.

ER Diagram:

