

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 71

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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

A brief project description answering these questions:

a. What is the domain of the application? Describe it.

We have a business domain for our application. The domain represents our gym/fitness center and people who utilize it.

b. What aspects of the domain are modeled by the database?

The database has a gym, the equipment in the gym, trainers who work at the gym, members and their memberships, a cafe, and food in the cafe.

*note: our group double checked with Rachel that this project and the entities/relationships modeled does not fall under the blacklisted topics :)

Database specifications: (3-5 sentences)

a. What functionality will the database provide?

The database will allow the business to manage essentials such as equipment inventory/equipment trainers that members will be able to use. In addition, it will track members and membership information. It will also help trainers find food to recommend to members to help achieve their fitness goals.

Description of the application platform: (2-3 sentences)

a. What platform will your project use (PHP/JDBC/etc.)?

We are planning on using JDBC for our project.

b. What is your expected application technology stack (i.e., any other things that you're using other than whether you're using PHP or JDBC)? Note that for DBMSs, we will only provide support for using the department's installation of Oracle. You are on your own for anything else.

i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

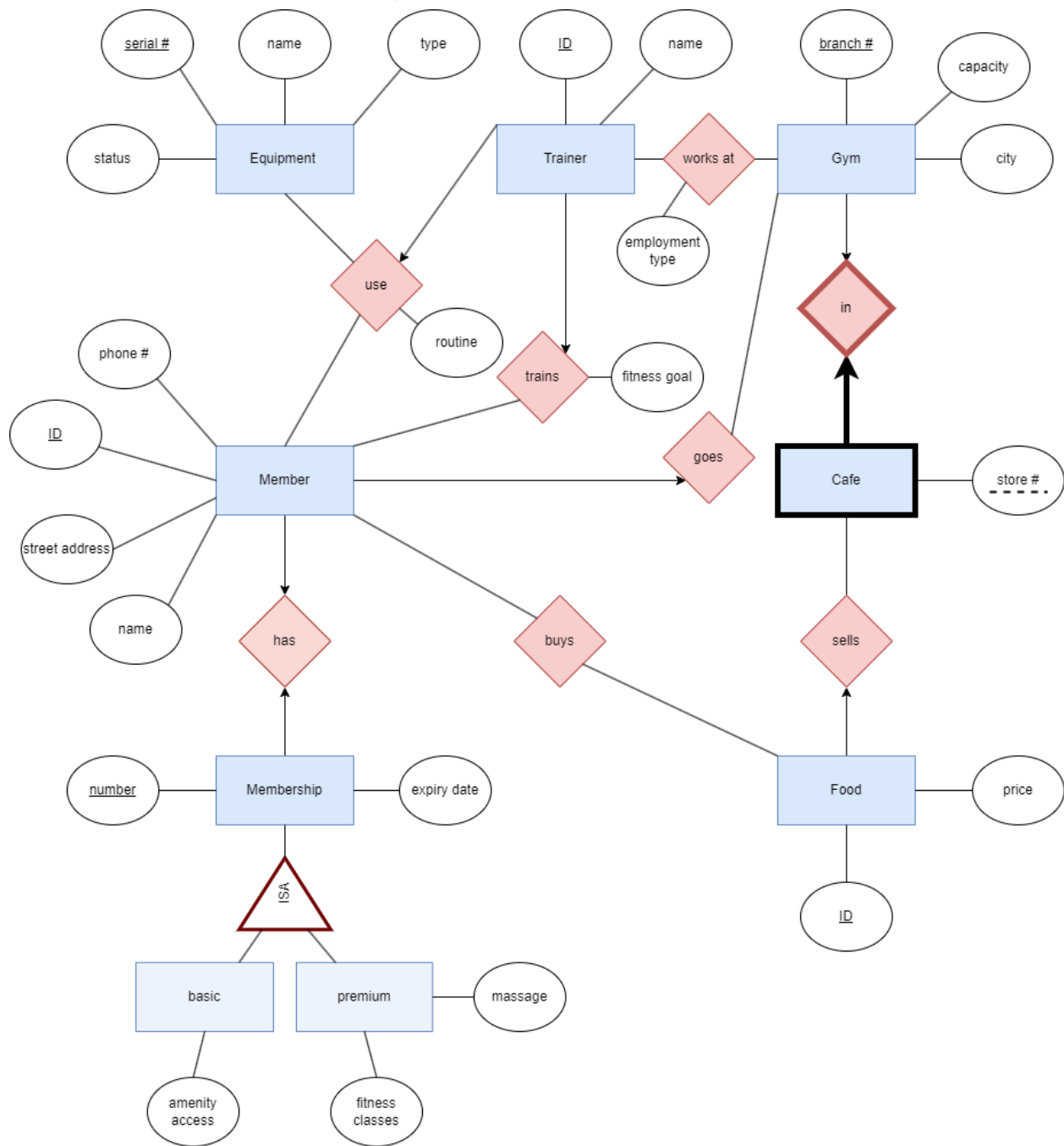
Currently, we plan on using Node.js, React, and PostgreSQL. This might change later on as we progress and start the implementation but it is our intention for now.

An ER diagram for the database that your application will use. It is OK to hand-draw it but

if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.)

The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures (Do not use crow's feet notation

or notation from other textbooks).



Your E/R diagram should adhere to the expectations listed above.

Other comments, as appropriate, to explain your project.