

# CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 3

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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:**

2. A brief project description answering these questions:

- a. What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

The domain that the application focuses on is football and their teams and focusing on the tracking aspect of looking at player statistics, match history, team information, accomplishments, etc.

- b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

Our project tries to model the relationships that govern and define the way that the football teams and their administrative function and interact with one another. For example, we will model teams and their players as well as the games themselves as entities to represent the official and sport side of the domain.

3. Database specifications: (3-5 sentences)

- a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

People using the database will be able to track their favorite players as well as teams and see history and other statistics related to those teams or players. The database will also partly focus on the administrative side of football. For example, we will include salaries, contract terms, managers, etc. Also will focus on more details regarding referees, game statistics, etc.

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

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

We will use node.js for our backend and then html/css/js to implement the GUI + frontend of the application used for accessing our database.

- 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.

We will use MySQL for the database and host it locally.

5. 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. For example, do not use crow's feet notation or notation from other textbooks).

- a. Please limit your diagram to a letter size page (8.5 x 11 inches). If you require additional space, talk to your project mentor beforehand as this might mean that your project is a bit more complicated than what we expect.

