

# CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 2

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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 email 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.

1. **A completed cover page (template on Canvas)**
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).**

A sports management system, particularly one that can be applied to Soccer (European Football).

- 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.**

The people involved (athletes, coaches and referees). For athletes we will also want to store their injuries and statistics regarding to the sport

We will also store a collection of events (such as matches or tournaments), and venues that events occur in.

The people and events will also require teams and their attributes, of which have specified sponsors which we will keep track of. We can also store awards/achievements that belong to teams and/or individual athletes.

As such, we would want our project to allow users to easily learn more about their favorite players, teams, matches, etc. within the soccer league of focus.

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**

Users of the database should only be able to view the data (read, i.e. get the data).

Admins of the database should be able to add new entries (ex. New player, new team, etc.) as they see fit, for example if a new player joins the league, a new team is added, etc.

Additionally, admins can update the data as needed. Say a player's shot accuracy % needs to be updated, or if the score data was initially incorrect, we would want to change this.

Deletion of old data should also be possible. (ex. Venue gets knocked down, fraudulently given awards, incorrectly entered stats, etc.).

4. **Description of the application platform: (2-3 sentences)**
  - a. **What database will your project use (department provided Oracle, MySQL, etc.)? See the "Project Platforms" section of this document for more information.**

We will use Oracle for our database. We can connect to the database via Node.js & Express.

- b. What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information.**

- 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 React.js for the UI, and the style will be that of React-Bootstrap. As mentioned above, we will use Node.js & Express for the backend (API requests) to the database.

- 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**
- 6. Your E/R diagram should adhere to the expectations listed above.**
- 7. Other comments, as appropriate, to explain your project.**

