University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: 8 February 2023

Group Number: 4

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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

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Project Description

The domain of this project is international sport competition logistics. Sport competitions at the international level require careful planning and management with regards to venues, athletes, coaches, and specific sporting events. Our project aims to address these logistical considerations by consolidating all of these parts into a single database management system. This can ensure a smooth planning process and execution of large-scale multi-sport events.

Database Specifications

The main users of this database will be international sports competition organizers and sporting enthusiasts. Data about many aspects of the competition, such as its sports, participants, and locations can be entered into the database to be stored, which can then be modified. The user will be able to better organize the event by viewing complex relationships between sporting events, their venues, and the associated athletes competing in those events. Participants and results can be entered into the database along the way to keep end-user applications (that may be connected to our database) updated on the various details of the competition as sporting events happen.

Application Platform

We will be using PHP and Oracle as a DBMS for our project. Our project will be built in the form of a web application, so our tech stack will consist of React (HTML/CSS/JS) for the frontend and PHP/Oracle for the backend and database. To facilitate communication between the backend and the frontend, we will build a PHP REST API.

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ER Diagram