University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #:   1

Date: 10/06/2023

Group Number: 11

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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

This project revolves around a database system that tracks various aspects of basketball leagues, including sponsors, teams, revenue, and players. The domain of the application is sports league management. The program will capture the interactions between different entities within the league. It gives the user both a broad overview of the current status of the league and detailed insights into player and team performance, enabling cost and performance analysis to improve the overall quality of the league.

Database Specifications

The database will offer the ability to manage player contracts, including changing the terms of a specific contract's worth, duration, and start date. Additionally, it will enable the management of team employees, providing information on their responsibilities and backgrounds as well as allowing for salary adjustments. Additionally, the database will be able to schedule matches with a certain date, location, and teams. Such data is helpful for a thorough examination of the performances of the teams, player, and staff in the league. It also enables users to determine the costs involved, which helps to enhance the league's gameplay as a whole.

Application Platform Specifications

This project will use the PHP platform and Oracle for the Database Management System. To create the graphical user interface (GUI), JavaScript and particularly the React library will be used.

ER Diagram of Our Database