

**University of British Columbia
Department of Computer Science
CPSC 304 2020
Summer Term1**

**Group Project - Implementation of a Relational
Database**

Project Title:	NBA Database
Project Milestone:	Milestone 1 (Project Proposal)

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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 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 (half-page or paragraph) project description answering these questions:

What is the domain of the application? Describe it

The National Basketball Association(NBA) will be the domain of this project. Within this domain, the focus will be team and player statistical data.

What aspects of the domain are modeled by the database?

Each season in the NBA has its respective teams. Every team has their own respective rosters, staff, home stadium, owner, etc. Each roster consists of a number of players in a variety of positions. Players participate in matches as representatives for their team. Player performance is recorded each time a match is played. Players and teams each have their own performance history (with overlap).

Database specifications:

What benefit does the database provide to the application? What functionality will the database provide?

The database stores the statistics of the NBA, allowing for ease of access & analysis. The database allows users (journalists, fans, etc.) to access league data with functionality that allows them to sort in many ways (ascending order, largest variance, etc.). They will be able to answer questions such as :

Which teams had the best records in X season ?

What players have the highest scoring/rebounding/assist totals from X - X?

Who holds the all time record for X & What season did they do this in ?

Which player was the best value?

League representatives will have the ability to update data as the season progresses.

Description of the application platform:

This project will be done using MySQL and Java/JDBC.