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# CPSC 304 Project Cover Page

Milestone #:   1  

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Group Number:        18       

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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**

1. What is the domain of the application? Describe it.

The domain of the application is the sports center management system, focusing on the management of reservations, facilities, services, and related processes within a sports center or similar recreational facility. Our team's main focus lies in handling offered services and reservations such as equipment rentals, coaching sessions and employee management. Additionally, we will provide convenient functionality for the users to check the availability and make reservations.

2. What aspects of the domain are modeled by the database?

It models the sports center's facilities such as swimming pool, tennis court and ice rink. Additionally it includes details about the offered services, such as coaching sessions, fitness class, and equipment rentals. The database stores and manages customer information, including personal details.

## **Database Specification**

1. What benefit does the database application provide to the company or organization?

Firstly, it enables an efficient online reservation system without time or space conflicts by offering real-time availability information. Secondly, it helps the sports center on their resource allocation as they can manage and organize the employees or equipment of the facilities. Thirdly, the application stores valuable data such as facility usage, personal data of the members and employees. Lastly, the application can provide possible opportunities to integrate with other systems, like membership management system, payment methods which further enhances its utility for the sports center.

2. What functionality will the database provide?

The database allows users to create, update and cancel reservations for facilities and equipment. It enables user registration with provided personal information and contact details. It allows users to update the data for members or employees, view their reservation history and manage equipment associated with the sports center.

## **Description of the application platform**

1. What platform will the final project be on (PHP/JDBC/etc.)?
2. 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)?

This project will be using PHP, with the department's Oracle database system. We do not expect to use any platform other than PHP. Our tech stack will be HTML, CSS, PHP and Oracle.

