

CPSC 304 Project Cover Page

Milestone #: 1

Date: 01/27/2023

Group Number: 34

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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

1. Project Description

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

The primary domain of this bike-sharing application is recreational and logistics.

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

Bike booking, lesson logistics, payments, membership, volunteers, and social events are modeled.

2. Database Specifications

a. What functionality will the database provide?

The bike club allows students to use and book the club's bicycles and storage facilities, provided they are members. Students must pay an annual membership fee and their membership status must be in good standing to use the multiple facilities across campus. Additionally, students can also volunteer at the club and members can attend member-only social events and take lessons as well.

3. Application Platform Description

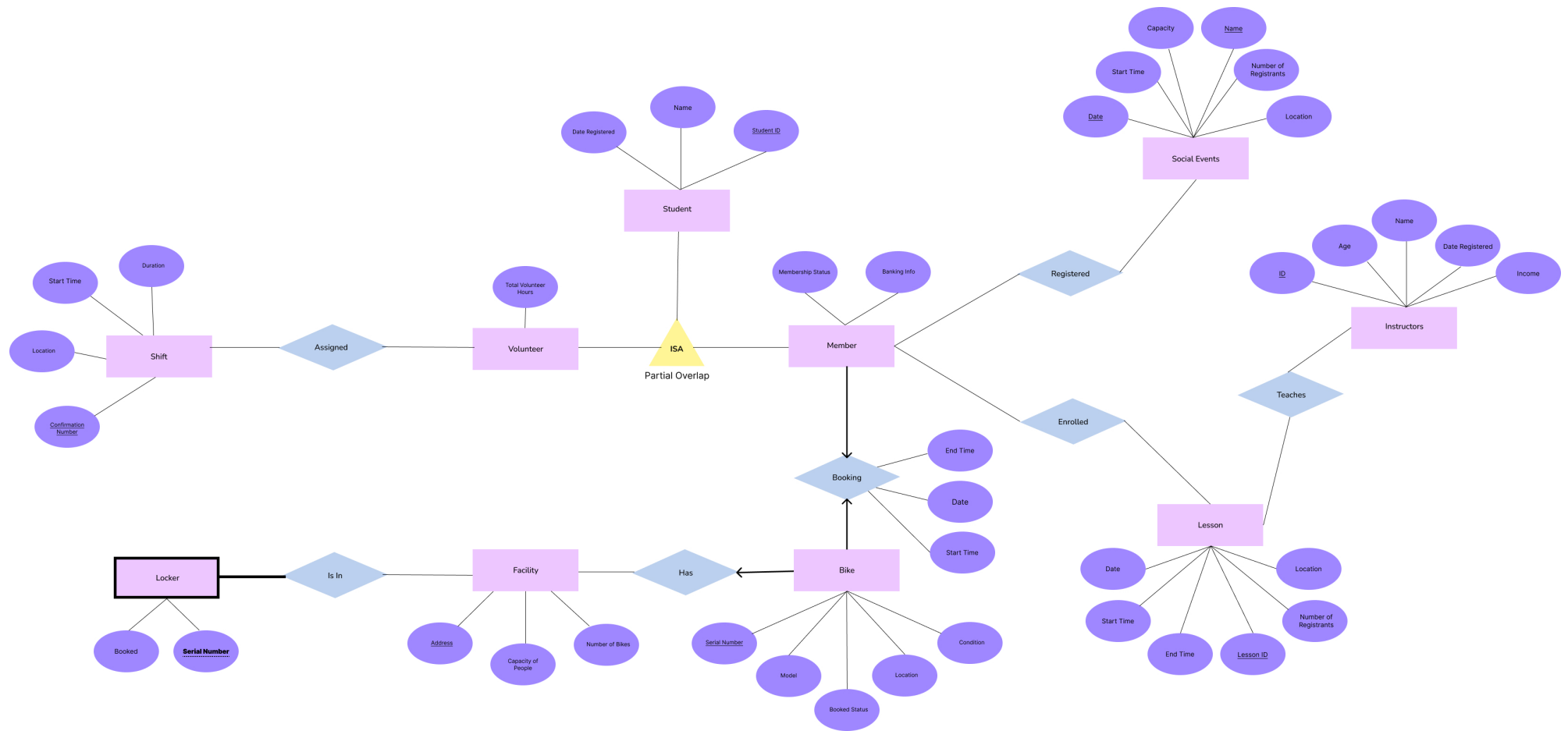
a. What platform will your project use?

PHP. We chose a platform that would easily integrate with frontend frameworks.

b. What is your expected application technology stack?

Our expected application technology stack will be React + Oracle. Our team has previous experience with designing web UIs in React and Oracle is one of the more popular SQL databases with extensive documentation and resources available for us, which will be beneficial to us as our team has limited SQL experience.

4. ER Diagram



5. Other Comments

- Bicycle lockers are indoor bike storage racks inside a facility