University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: <u>1</u>

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Group Number: <u>39</u>

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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. Domain of the application

        Botanical Park and Zoo Operations

    b. Aspects of domain modeled by the database

        The database allows users to retrieve information about creatures in the botanical park and zoo, operations of the park and visitor statistics for data analysis.

2. Database specifications
    a. Functionality of database

        Users will be able to analyze visitors' statistics by their entry and exit time at the zoo and their participation in certain events.

        Users will be able to know what zones and what kind of climate different creatures live in, and what kind of equipment the staff need in order to take care of them.

        Users will be able to know the health records of different creatures.

3. Description of the application platform
    a. Database used in the project

        Oracle provided by the department will be used for this project.

    b. Technology stack

        The backend logic will be built using Java, while the frontend web app will be built using React.js Library in JavaScript.

4. ER Diagram