University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 48

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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

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Domain of the application:
The domain of our application will be a single university with multiple different dorms for students.

Aspects of the domain modeled by the database:
Our database will focus on storing the current state of a university residence system. To do this, we will include aspects such as residence buildings, units and rooms. We will also store students and residence advisors living in dorms, and monitor their actions by keeping track of package deliveries, sublets and maintenance requests. Additionally, our database will keep track of maintenance staff as well so we can include more details about maintenance requests.

Functionalities: (what kinds of things will people using the database be able to do)
- Add/remove residents to/from specific rooms in a dorm
- View how many active maintenance requests there are at a time
- Check which maintenance staff member is fulfilling which maintenance request
- See how many packages are currently stored in a dorm's mailboxes
- Monitor how many package deliveries a student has
- Store sublet information, including the contract dates, the subletter and the sublessee
- Find out how many unoccupied rooms a dorm has
- Compare dorms to others in terms of building amenities and accessibilities
- See which residence advisors oversee which students

Database Management System:
Oracle

Chosen Teck Stack:
Programming language: Javascript
Libraries: oracledb

ER Diagram: