

**University of British Columbia, Vancouver**

Department of Computer Science

## **CPSC 304 Project Cover Page**

Milestone #: 1

Date: February 8th, 2023

Group Number: 64

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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

**2a) What is the domain of the application? Describe it.**

The domain of this application will be a hospitality management service. It will be helping manage room states/reservations, payment transactions, and employees.

**2b) What aspects of the domain are modeled by the database?**

The project will allow for an easier hotel system, where an owner, manager and employees will be able to oversee various aspects of the hotel, its reservations and transactions. Busy hotels will result in having an excessive amount of bookkeeping, and many problems may arise such as double reservations or missed payments.

**3a) What functionality will the database provide? (3-5 sentences)**

The database will aid hotel managers when trying to organize bookings, manage employees, and rooms. It will make the handling of transactions between customers and the hotel much easier to keep track of and also make guest room reservations more straightforward. Furthermore, the database will allow managers to effortlessly monitor the status of the hotel rooms and their occupancy. Having the database will also make the payment and supervision of employees effortless.

**4a) What platform will you project use (PHP/JDBC/etc)**

Javascript

**4b) What is your expected application technology stack (ie. any other things that you're using other than whether you're using PHP or JDBC)?**

We are planning on using React.js with Chakra UI, Node.js and Express.js