

**Project Requirements - Hotel Reservation Program**

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**CMSC 495**

**Section 7380**

**Group 8:**

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**Professor Hung Dao**

### Revision History

Date	Description	Author
10/29/2023	Created first draft of the project requirements	Mario Bethancourt
10/30/2023	Updated project requirements	Everyone(Mario, Jules, Megan)
10/31/2023	Final revision	Everyone(Mario, Jules, Megan)
11/8/2023	Added revisions based on peer review	Mario Bethancourt
12/04/2023	Made requirement revisions	Mario Bethancourt
12/09/2023	Made final updates	Mario Bethancourt

## Project Requirements

### Topic: Hotel Reservation Program

Group 8's project is to develop a Hotel Reservation Program. The goal is to design a java application tool to manage hotel reservations. This program will serve guests by providing an efficient and user-friendly interface. Users will need to authenticate themselves using a login dialog to access the program, which will present them with a menu bar offering them multiple options.

All the project requirements are saved in a Google doc, so that any team member can collaborate at any time and changes can be made throughout the semester.

Requirement #	Description
1	This system shall allow users to create accounts, with a unique username password required.
2	This system shall store personal data such as first name, last name, username, password, phone number and address(street number and street name), email, state, city, and zip code for registered users.
3	This system shall provide users with the capability to view a list of available room reservations.
4	This system shall allow users to create new reservations only when logged in.
5	The system shall allow users to perform check-in and check-out operations. So, checking in and checking out.
6	This system shall generate a bill for each reservation per night that the user plans on staying.
7	This system shall not automatically log users out due to inactivity; however, it shall allow users to exit or log-off manually.
8	This system shall show the user the list of room numbers with their description when making a reservation. The list displays rooms with their room number, number of beds and room type (room 101, room 102, single, double, deluxe, suite, single or double bed).
9	This system shall enable users to select specific rooms by entering the room number from the room list. The user can start making a reservation by picking the room number (101, 102, 103, etc.).

10	This system shall allow users to input check-in and check-out dates along with the desired number of people when making a reservation. So, when the user picks the room number when making a reservation they are asked for the check in/out dates and number of people staying.
11	This system shall support account update changes, allowing users to input specific account changes making modifications such as first name, last name, username, password, phone number and address(street number and street name), email, state, city, and zip code.
12	This system shall provide an option for users to delete reservations. Users shall input the specific reservation by room number (101, 102, 103, etc.) to be deleted, and the system will display a cancellation confirmation.