

## Project Scope Writeup-Group 7

### Project Vision:

Group 7's project is a hotel management software for both customers and hotel administration, who need an easy way to search and manage reservations, the hotel's properties, and user information with a straightforward UI environment. Unlike other software that might be for multiple hotels or hotel chains, our product allows a user to directly compare and/or manage hotels of the same chain and/or owner.

### Project Scope:

Our project will feature a log-in system that allows different accounts with different permissions. These accounts will allow the ability for customers to create and modify their account properties such as their account information (i.e., name, address, current reservations) through their customer portal. Administrators can create and modify accounts for either customers or other administrators through their administrator portal.

Our project will feature a basic not logged in system in which a potential customer can see basic information about available hotels, with options to see more detailed hotel descriptions. If the potential customer attempts to reserve, they will be asked to log-in or create an account. If an administrator logs in, then they can give a customer that reservation, if a customer logs in (or created an account), they will be asked to confirm the reservation.

It will also feature the ability for administrators to create and/or modify hotels and their properties, such as changing amenities, the types of rooms available and their current number, and the pricing of rooms, either for the entire hotel, or on a per-room basis.

The project will also include the ability for customers to create or modify reservations for themselves and administrators to create and modify reservations for customers through their respective portals.

The project in various locations where necessary (i.e., customer searching for a room, administrators looking for a reservation or room to modify, potential customer hotel search, etc.) the project will also feature the ability to search based on various factors, such as calendar dates, prices, amenities, room availability, existing reservations (like for administrators), etc.

All these features will be packaged in the form of a server-side webpage and database that has an intuitive and straightforward user interface such that customers or administrators can connect to through a web browser and complete their desired tasks.

### Project Roles:

Shejan Shuza – Product Manager  
Kevin Nguyen – HTML/CSS/JS UI Engineer  
Viswa Bhargavi – Database and Back-end Engineer  
Philip Lam – Software Engineer  
Jonathan Garcia – Software Engineer