CS5200: DATABASE MANAGEMENT SYSTEMS

Project Proposal

**Topic:**

**Hotel Booking Website**

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Database – MySQL

Front End – HTML, CSS, JavaScript, Node.js

Project Description:

This system is a hotel booking system. Users need to create an account or log in to book a hotel. The website will present a list of hotels sorted by rating. Users can click into a hotel page to see detailed information and choose a hotel based on rating and comments. Finally, the user can place orders and make a payment.

Why it is of interest to us:

Everyone has the experience booking a hotel from a website. It is widely applied. Hence, we want to figure out how this application can be implemented based on what we learned from database management systems. It is also a good opportunity to expand our knowledge on frontend.

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**UML Diagram**

**Diagram

Description automatically generated**

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**Flow Chart**

**Diagram

Description automatically generated**

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Steps:

1. The uses will log into their account with a username and passwords. They will either accepted or rejected

If rejected

1. they will be sent to the login page to try again.
2. they will be sent to home page to create a new account.

If accepted, continue

1. Once logged in
2. The user can browse the information of website to choose the hotels that they like, and place orders or not, then log out.
3. The user can write reviews of the hotels that they lived before, then log out.