ICS2203: GROUP WORK

PARTICIPANTS
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PROJECT DOCUMENTATION:

GROUP_WEB

1) Introduction:

1.1 Project Overview
The purpose of our group_web project is to allow users to reserve nights for sleeping in a hotel. The Hotel system provides a lot of convenience and efficiency to both users and administrators using it. Administrators can manage the number of people using the hotel per night. Moreover, also users can book the hotel for several nights without restriction.

1.2 Key Features
Our Reservation system contains features like a form where users enter their details before being allocated a room in the Hotel. The form contains fields where a user can enter his/her name, email, phone number and check boxes for he/she to select his/her gender. In addition to this there is a drop down menu for selecting the number of nights for one is staying in our particular hotel.

2) System Architecture
2.1) Technology Stack
We used HTML, CSS and JavaScript for the Front-end and Django for our back-end.

2.2) Architecture Diagram

3) Target Audience

Hotel Reservations System can have various target audiences but ours was specifically for users. These are those who are using the Hotel Reservation System to book nights in the hotel. The user's area of interest is understanding how to register, book nights in the hotel and view their booking history.

Other target audiences may include administrator, developer and potential contributors.

4) Goals

a) Efficient reservation process – to make our reservation process quick, user-friendly and efficient.

b) User registration and Authentication – Provide a secure and straightforward user booking and authentication process.

c) Scalability – Design the system to handle the increasing number of users, reservations and nights.

d) User Communication – design the system in a way that it implements communication features to notify users about reservation confirmations, changes or cancellations.

e) Security and Compliance – Ensure the security of data and compliance with relevant data protection regulations.

f) User Satisfaction – Achieve a high-level of user satisfaction by delivering a reliable and user-friendly hotel reservation system. User surveys, ratings and feedback can be provided to facilitate this.

5) Conclusion

In conclusion, our hotel reservation system project aims to revolutionize the booking experience for our users. With a strong emphasis on efficiency, security and scalabiltiy we have outlined specific goals to guide our development process. From streamlining the reservation process and ensuring secure authentication system , our project is designed to meet the diverse needs for our users.

Ultimately, our hotel reservation system seeks to deliver a seamless, reliable and feature-rich solution that not only meets but also exceeds the expectations of our target audiences. Together, these goals form the foundation for a successful hotel reservation system that stands out in terms of usability, functionality and overall excellence.