




Project **Proposal**

Hotel management web site

Presented by :

AS2020925

AS2020961



INTRODUCTION

We propose to develop a comprehensive hotel website for our university's final year project. This project aims to create a user-friendly platform for hotel management, catering to both guests and administrators. Utilizing Firebase, our website will offer secure login functionality for users and administrators, enabling seamless access to various features.

FEATURES

User Authentication: Secure login system for both users and administrators.

Booking System: Users can log in and make bookings for hotel rooms, facilitating a hassle-free reservation process.

Administrator Control Panel: Administrators can access a control panel to manage and update data within the database.

Email Notification: Upon user booking, administrators receive email notifications to ensure prompt action and database updates.

Hotel Information: Detailed information about the hotel, including services, and contact details.

Location Details: Maps and directions to the hotel's location for ease of navigation.

Room Details: Comprehensive descriptions of available rooms, including services and pricing.

Photo Gallery: Visual representation of the hotel's facilities and rooms to entice potential guests.

Dine-in Menu: Display of the hotel's restaurant menu with detailed descriptions and pricing.

TECHNOLOGY STACK

Backend: Firebase Realtime Database for efficient data management and synchronization.

Frontend: HTML, CSS, ReactJS/Angular for user interface design and functionality.

Email Integration: Firebase Cloud Functions for sending email notifications.

Mapping Services: Integration with Google Maps API for location details.

SITE STRUCTURE

Your website will have the following pages:

- Home
- About
- Accommodations
- Dining
- Gallery
- Location

CONCLUSION

Our hotel website project aims to provide a seamless booking experience for guests and a user-friendly environment for administrators with efficient management tools. With Firebase as our backend solution, we ensure reliability, scalability, and real-time updates. This project will not only fulfill the requirements of our final year but also serve as a valuable contribution to the hospitality industry. We will be going to implement this for Lagoon Deck Hotel, Negambo.