

Project Proposal: Hotel Management Web Application

1. Project Overview

This Hotel Management Application is a user-friendly web platform designed to connect hotel owners and hotel users. It allows hotel owners to showcase and manage their hotels online, while users can easily search, view, and book hotel services across Sri Lanka.

2. User Types

A. Hotel Owners

- Register and create their hotel profile.
- Add or edit hotel information such as:
 - Hotel name, location (Google Maps integration), contact number.
 - Available facilities like swimming pool, gym, bar, food menus, etc.
 - Upload photos and videos of rooms and halls.
 - Set room and hall availability (booked or free).
 - Add offers, discounts, and special event information.
 - Provide surrounding details like beach access or nearby attractions.
 - Securely change password using OTP via email.
 - Track bookings, available rooms/halls, and usage dates.
 - Mention reasons why users book their services (e.g., weddings, parties, day-outs).

B. Hotel Users

- Register using email and username.
- Log in and manage their profile.
- Search hotels by district within Sri Lanka.
- View hotel details, location, room/hall availability, and facilities.
- Book rooms or halls online with full or half payment options.
- Leave ratings and reviews using text, images, or videos.

- Change their password using an OTP sent to email.
- Mention the purpose of booking (e.g., birthday party, wedding, leisure stay, etc.).

3. Purpose and Benefits

For Owners:

Offers a complete digital solution to manage hotel listings, bookings, and promotional offers. Owners can reach more customers and keep their business updated in real-time.

For Users:

Allows easy hotel discovery and booking with clear visibility into facilities, prices, and availability. The system ensures secure transactions and interactive hotel browsing.

4. Conclusion

This Hotel Management Application bridges the gap between hotel owners and potential guests by providing an organized, digital space to manage bookings and showcase services. It enhances hotel visibility and simplifies the user experience for travelers and event organizers alike.