Project Report

Title of Project:

Royal Stay Hotel Management Website

Name of the Innovator:

Kaustubh Bendre

Start Date:

9/02/2026

End Date:

17/02/2026

Day 1: Empathise & Define

Step 1: Understanding the Need

Which problem am I trying to solve?

Many small hotels still manage bookings manually (register books or phone calls). This causes:-
• Double bookings
• Data loss
• Slow customer service
• No proper online presence

Who is affected by this problem?

• Hotel Owners
• Hotel Staff
• Customers who want easy online booking

How did I find out about this?

Interviews, AI Tools, Online Research, Observation

Step 2: Problem Statement

Small and medium hotels need a simple, affordable, and user-friendly website system to manage rooms and bookings efficiently.

Why is this problem important to solve?

• Improves business efficiency.
• Reduces manual errors.
• Builds professional online presence.
• Enhances customer experience.

Take-home task insights:

• Simple UI is very important.
• Fast booking system increases customer trust.
• Database integration makes the system powerful.

Day 2: Ideate

Step 3: List at least 5 different solutions:

1. • Basic static hotel website (only information, no booking system).

2. • Website with contact form for booking inquiry.

3. • Full hotel booking system with database.

4. • Mobile app for hotel booking.

5. • Cloud-based hotel management system.

Step 4: My favourite solution:

Full Hotel Management Website with Booking System and Admin Panel.

Step 5: Why am I choosing this solution?

• Shows frontend + backend skills
• Uses database (DBMS knowledge)
• Good for IT interviews
• Looks professional in resume

Day 3: Prototype & Test

Step 6: What will my solution look like?

A responsive hotel website with:
• Home page
• Rooms page
• About Us page
• Contact page
• Admin Login
• Add / Update / Delete Rooms
• Customer Booking Form

MySQL Database integration

What AI tools will I need?

• ChatGPT (Code guidance)
• Canva (Logo design)
• VS Code (Development)
• MySQL Workbench
• Bootstrap

Selected AI tools:

1. • HTML – Structure

2. • CSS / Bootstrap – Styling

3. • JavaScript – Interactivity

4. • PHP – Backend logic

5. • MySQL – Database

Step 7: Test - Getting Feedback

Who did I share my solution with?

• Classmates / • Friends / • Self-testing

What works well:

- Responsive design
- Easy booking system
- Admin can manage rooms
- Clean user interface

What needs improvement:

- Add payment gateway
- Add email confirmation
- Improve UI animations
- Add customer login system

Day 4: Showcase

Step 8: Final Project Title:

Royal Stay Hotel – Online Booking & Management System

1-Minute Pitch Summary:

Royal Stay Hotel Management Website is a full-stack web application designed to help small hotels manage room bookings digitally. It allows customers to view rooms and book online, while admins can add, update, and manage room details. This project demonstrates my frontend development skills, backend integration, and database management knowledge.

Step 9: Reflections

What did I enjoy the most?

- Designing the website layout
- Creating database tables
- Connecting frontend with backend
- Seeing real-time booking data stored in database

What was my biggest challenge?

- Connecting PHP with MySQL

- Handling form validation

- Managing database relationships

Project Link:

https://stay-sweetly-project.lovable.app/