Vaultofcode

Week – 4

Final Assignment

Date : 24/07/2025

🌐 Project Report

Tripenzo – Hotel Booking System

Submitted by:

- 💻 **Shantanu Barde** – JavaScript functionality & Responsive Design
- 🎨 **Rajat Khirwadkar** – HTML Structure & CSS Styling

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1. 📌 **Project Title:**
   Tripenzo – A Hotel Booking System
   Designed as a modern travel and hotel booking website that allows users to find, select, and book hotels with ease.

2. 🎯 **Objective:**
   To design a **responsive and interactive web application** that simulates a real-world hotel booking experience using front-end web technologies.

3. 🛠️ **Technologies Used:**
   o **HTML5** – For semantic structure
   o **CSS3** – For design, layout, and styling
   o **JavaScript (Vanilla)** – For interactivity and dynamic elements
   o **Google Maps Embed API** – For displaying hotel locations

4. 👥👥 **Team Collaboration:**

- o **Rajat Khirwadkar**: Built the full **HTML structure** and styled all sections with **CSS**, including header, forms, and cards.
- o **Shantanu Barde**: Focused on **JavaScript** logic (dropdowns, sliders, validations) and made the project fully **responsive** across devices.

5. ✹ **Key Features:**
   - o Search form with **check-in/check-out date**
   - o **Guest selector dropdown** (adults, children, rooms)
   - o Hotel listing cards with room info and images
   - o **About, Contact, and Location** sections
   - o Embedded **Google Map** and smooth transitions

6. ▯ **Responsiveness:**
   The website is mobile-first and **fully responsive** on mobile, tablet, and desktop. Layout and elements adjust perfectly across screen sizes for a seamless user experience. *(Developed by Shantanu)*

7. ⚙▯ **JavaScript Functionalities:**
   - o Form validation
   - o Dynamic guest count display
   - o Smooth dropdown behavior
   - o Animations and UI effects for better interaction

8. 🎨 **Design and Layout:**
   A clean, modern, and user-friendly UI was created using **CSS** with consistent color schemes, button styles, and spacing. *(Designed by Rajat)*

9. 🏁 **Outcome:**
   Successfully created a **professional-looking and functional** hotel booking site using core web technologies, applying both design and logic efficiently through team effort.

10. ✅ **Conclusion:**
    The **Tripenzo project** was completed through excellent collaboration. It helped us strengthen our skills in web development, especially in **JavaScript, CSS, responsiveness, and teamwork**. We are proud of the outcome and look forward to creating more real-world projects.