Project Report: The Wild Oasis – Customer-Facing Website

# 1. Project Overview

The Wild Oasis is a boutique hotel offering luxurious wooden cabins for guests seeking a nature-inspired retreat. This project is a modern, customer-facing website that allows users to explore and book available cabins. It replaces the internal hotel management system with a seamless, frontend-focused booking interface. Built with performance, responsiveness, and user experience in mind, this web application makes it easy for guests to browse, filter, and book cabins from anywhere.

# 2. Objective

The objective of this project is to build a responsive, user-friendly, and visually appealing booking interface for The Wild Oasis. Guests can view available cabins, check availability, read details, and make a reservation, interacting with a powerful backend API that handles cabin data, bookings, and guest information.

# 3. Key Features

- Browse a list of luxurious cabins with images and detailed descriptions

- Check real-time availability and make bookings instantly

- Responsive and modern UI with clean UX flow

- Dynamic price calculation based on cabin type, nights, and extra features

- Filter and sort cabins by capacity, price, and name

- Visual highlights of featured cabins

# 4. Technology Stack

- Frontend: React.js, Styled Components, React Router, Vite

- State Management: React Context API

- Remote State: Supabase

- Data Visualization: Recharts

- Date Handling: date-fns

- Notifications: React Hot Toast

- Hosting: Vercel

# 5. Folder Structure (Frontend)

/src  
 /components  
 /pages  
 /hooks  
 /contexts  
 /services  
 /ui  
 App.jsx  
 main.jsx

# 6. Live Project and Source Code

🔗 Live Website: https://the-wild-oasis-website-three-mocha.vercel.app/

💻 GitHub Repo: https://github.com/Sudarshanhingalje/the-wild-oasis-website

# 7. Author

Developed by Sudarshan Kalgonda Hingalje

Email: sudarshanhingalje1@gmail.com

GitHub: https://github.com/Sudarshanhingalje