

Abstract

In the era of seamless digital experiences, the hospitality industry has witnessed a transformative shift in the way travelers plan and book their accommodations.

My room booking app represents a pioneering solution that empowers travelers to effortlessly discover, reserve, and manage their stays at hotels worldwide. One can book a room at his /her place of liking from a remote area just by few clicks. The room booking app includes all types of rooms from Deluxe to Non-Deluxe and from different-different locations.

Features :-

- User-friendly Interface
- Comprehensive Search
- Easy to navigate
- Seamless Booking Experience
- Record Management

Requirements

Creating a room booking app involves a range of requirements to ensure that the app functions effectively and meets the needs of both users and administrators. Here's a comprehensive list of requirements for a room booking app:

User-Facing Requirements:

User Registration and Authentication: User registration with email or social media accounts.

User Profiles: User profiles with personal information and preferences. Option to edit and update user profiles.

Room Search and Filters: Advanced search functionality, allowing users to search for rooms based on criteria like location, capacity, amenities, and availability.

Filtering options to refine search results.

Booking and Reservations: Ability for users to browse available rooms and make reservations. Booking confirmation with details and a reservation ID. Option to view and manage existing reservations.

Payment Integration: Secure payment processing for reservations, if applicable.

Support for multiple payment methods, including credit cards and digital wallets.

Feasibility Study

Financial Feasibility Study:

Building a Room Booking application was financially feasible since it only required

- A system to build the actual application and acting as a server.
- Memory for storage since the project was only for learning purpose so I didn't required very much of storage.

Operational Feasibility Study:

Building a Room Booking application was technically feasible.

- Since it only required one person to build the whole application so I managed to do that.

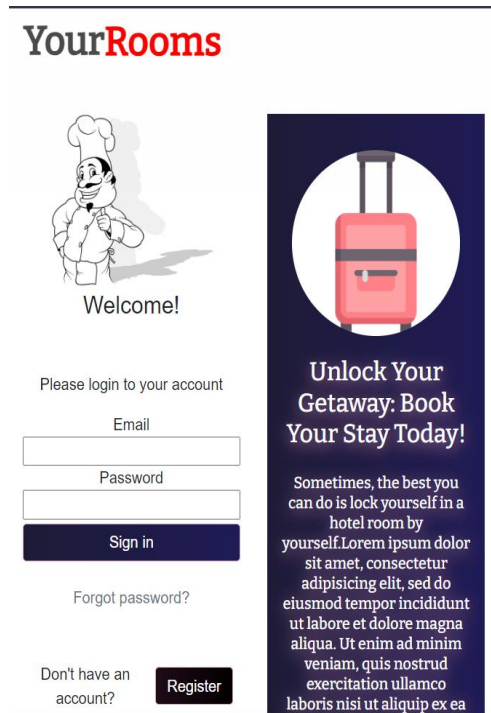
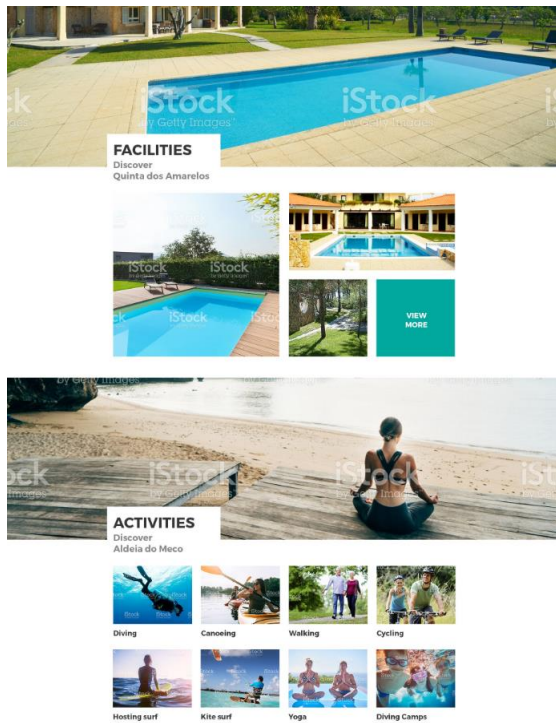
Technical Feasibility Study:

Building a Room Booking application was technically feasible.

- It required technology stack which was easily available like Nodejs, Mongo Db as a database and web-Browser.

UI Design

Used Figma for UI designing



Software Requirements

- Operating system: Microsoft Windows XP/above
- Platform: Visual Studio Code ,Web-Browser
- Front End: React
- Back End: NodeJS , MongoDB, Mongoose

Implementation