# MERN HOTEL BOOKING WEBSITE

Description: Introducing our state-of-the-art hotel booking app, powered by the dynamic MERN stack – a technological marvel that promises you a revolutionary travel planning experience. With our app, we're redefining the way you explore, discover, and book hotels, bringing you a comprehensive and seamless journey from start to finish.

Imagine a platform where you can effortlessly browse through a vast selection of accommodations, each detailed with stunning visuals and comprehensive information. Our MERN-based app enables you to check room availability, compare pricesand reserve rooms all in one intuitive interface.

One of the highlights of our MERN-based app is its lightning-fast performance. The MERN stack, comprising MongoDB, Express.js, React, and Node.js, brings exceptional speed and responsiveness to every action you take on the app. Whether you're searching for accommodations, refining your search with filters, or viewing high-resolution images of potential rooms, everything happens instantaneously, providing you with a fluid and immersive experience.

A separate admin portle is also created so that user can be created and manages and similarly rooms and hotels can be added and managed.

The project contains 3 components the server ,the client side which can be operated by users and an admin side which can be operated only by admins.

**Client Side:**

There are properties in multiple countries. Various types of properties, including hotels, flats, resorts, villas, and cabins, may be observed. Users can see a few of the featured properties.

The user is given a search window where they can enter their location, arrival, and departure dates, and other relevant criteria to look for hotels.
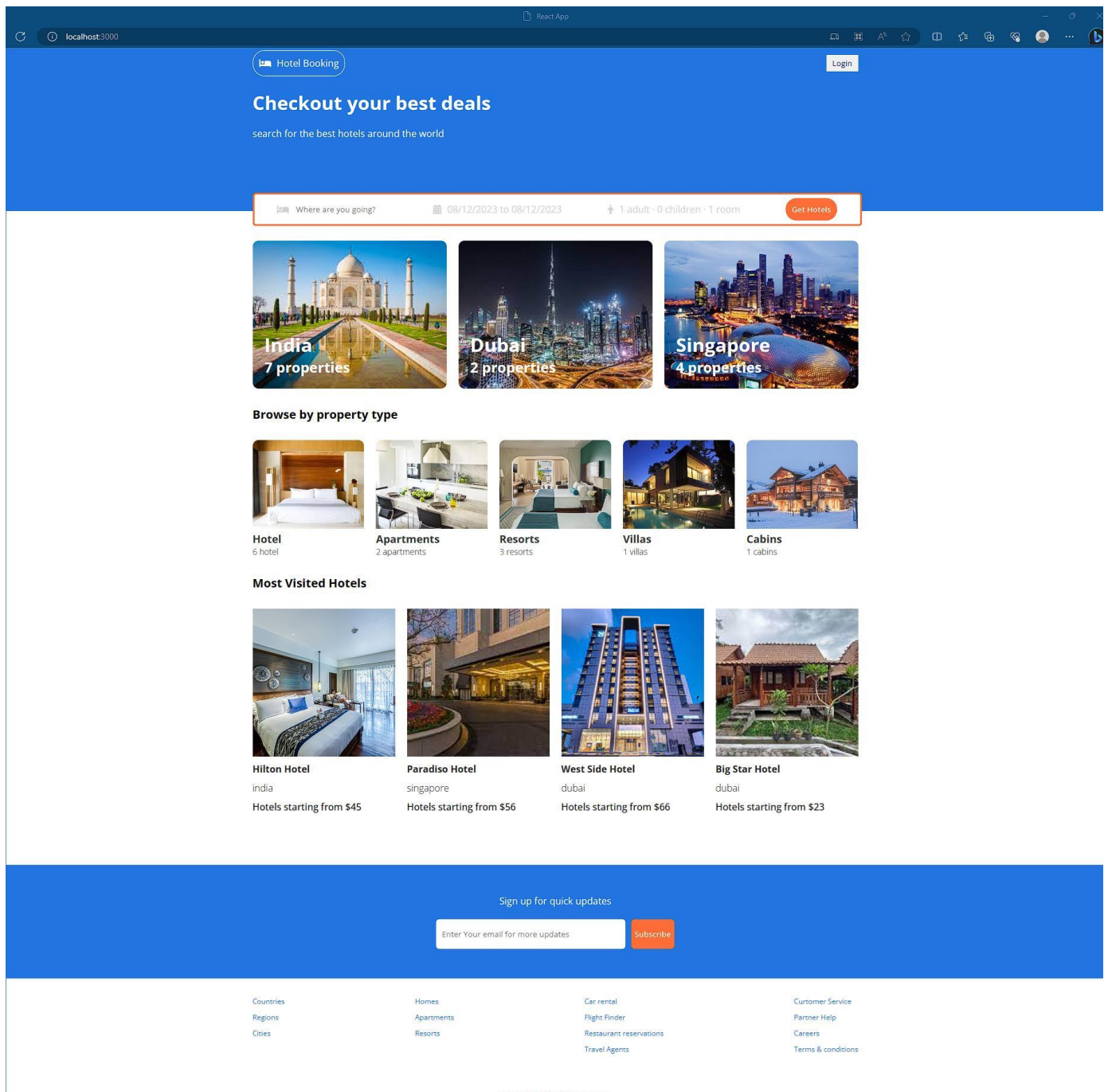


**Login form:**

Users can search for Hotels based on location, travel dates, and other requirements.
Select Dates in the range



Input other details and search

**Results:**

The filtered results are displayed on this results page, along with some details. Another search box is located on this page, where a similar search may be carried out depending on the location, the dates of the trip, and additional information like the lowest and maximum price, the number of adults and children, and the number of rooms.

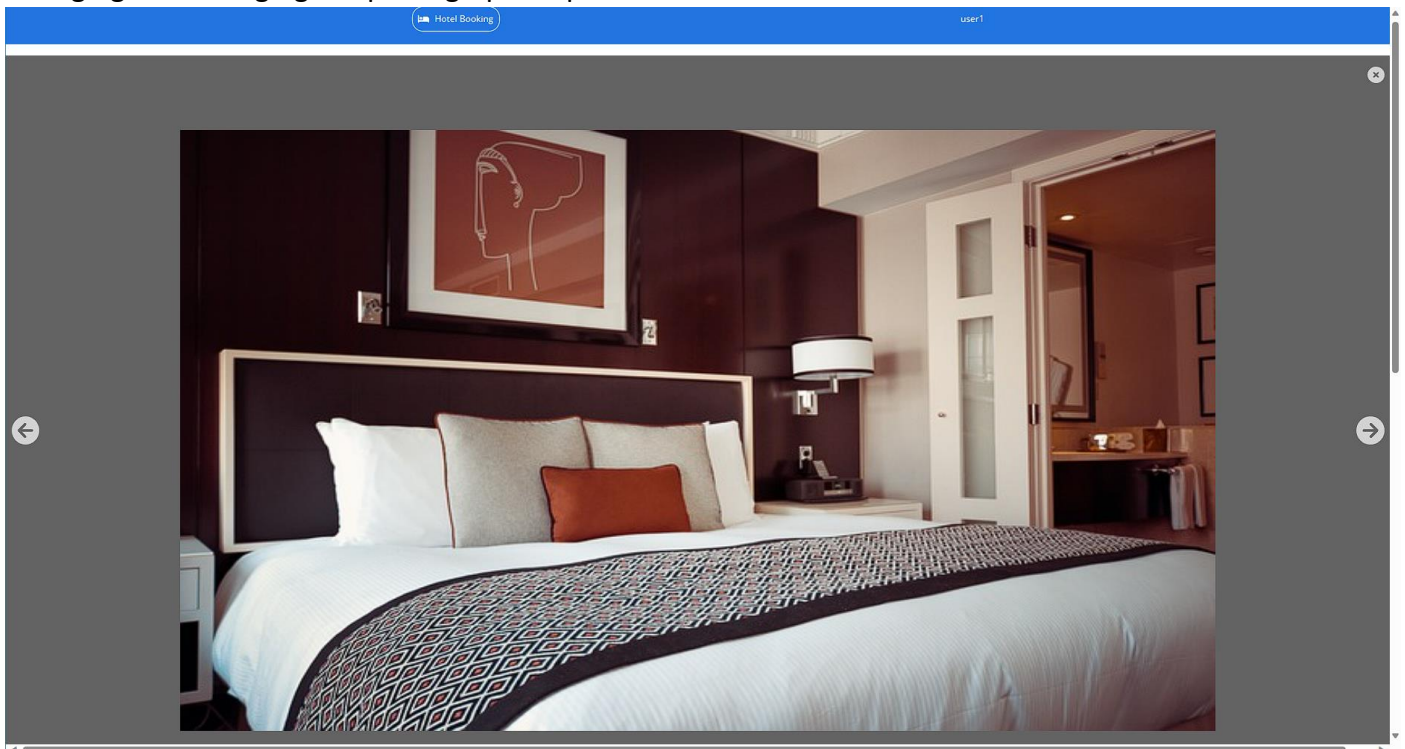The user can choose any of the hotels listed.

**Hotel Page:**

On this page, users can examine hotel information such as name, address, description, distance from the city center, and price per night. The price for the chosen nights is computed and shown.
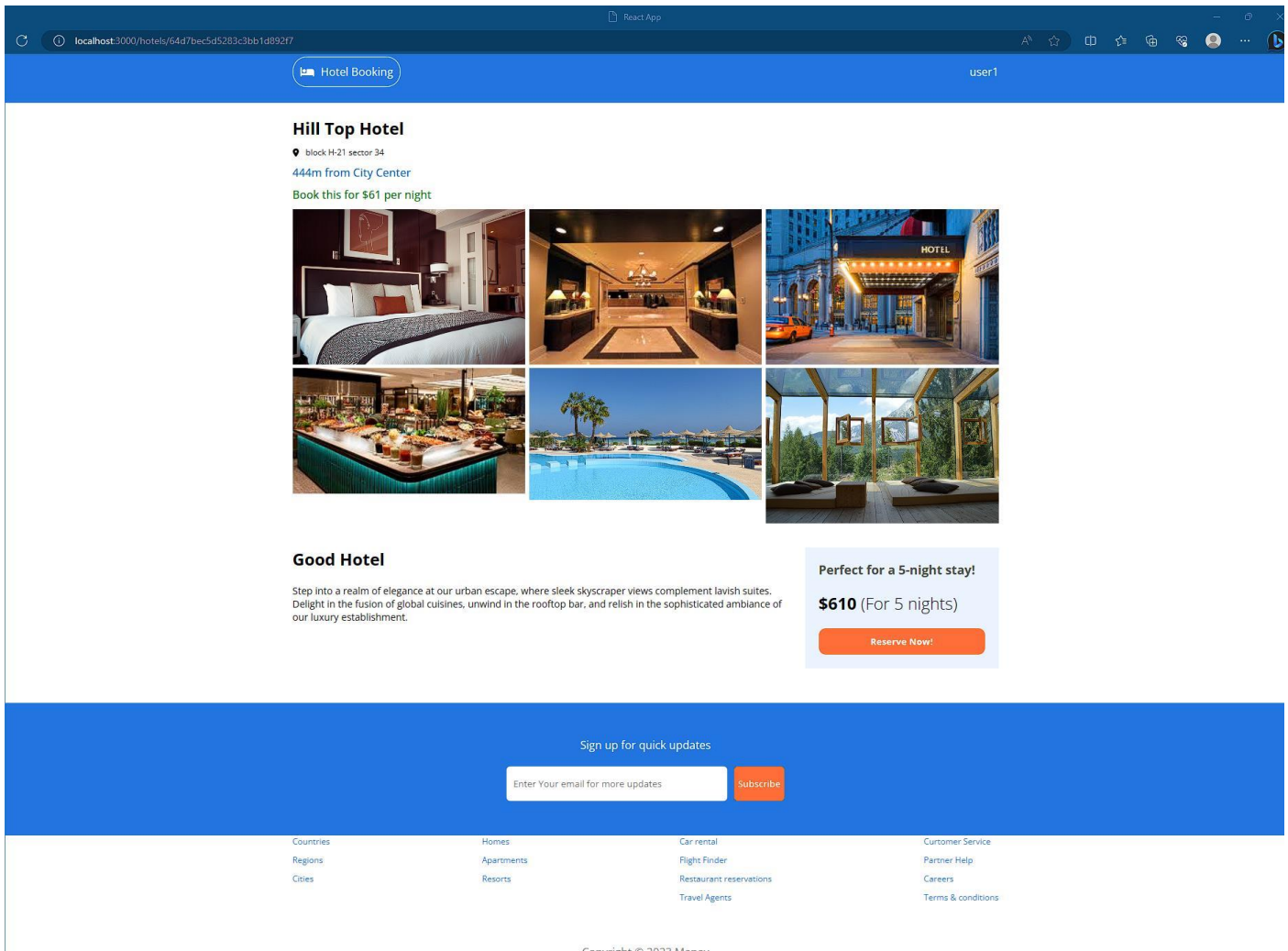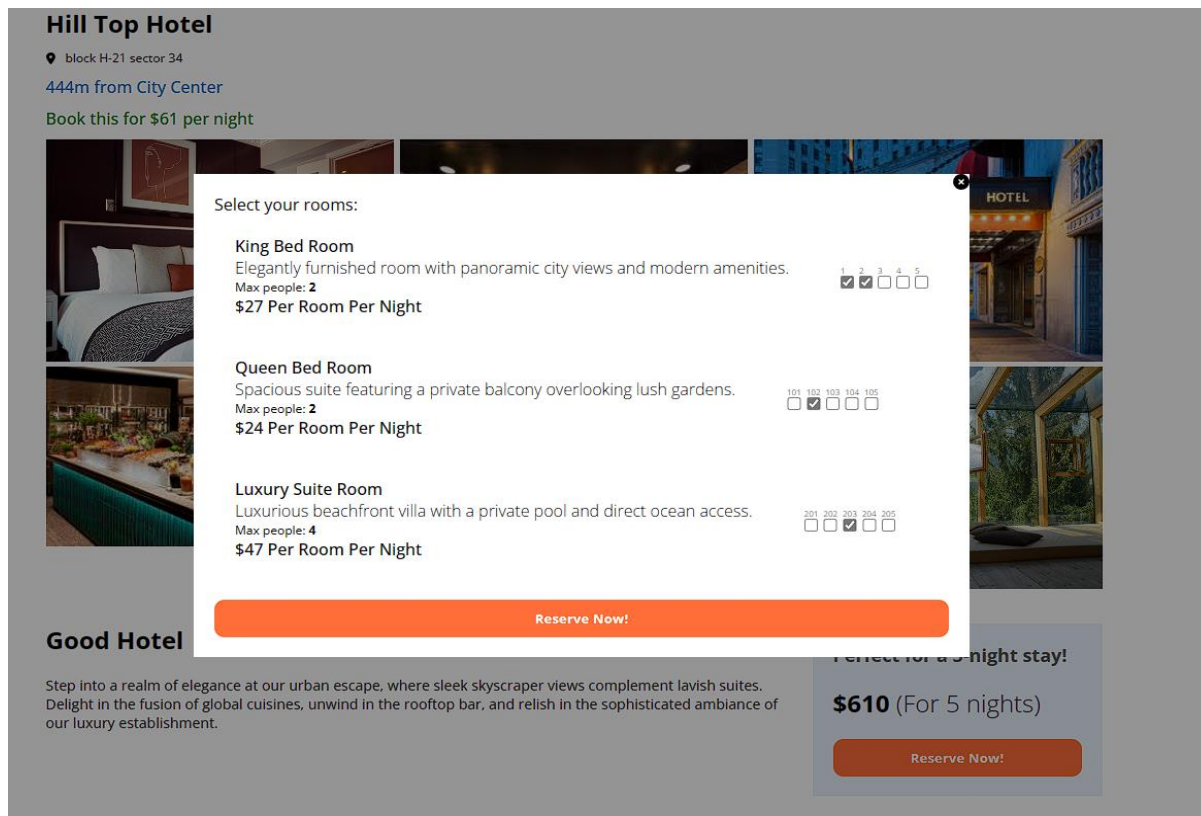


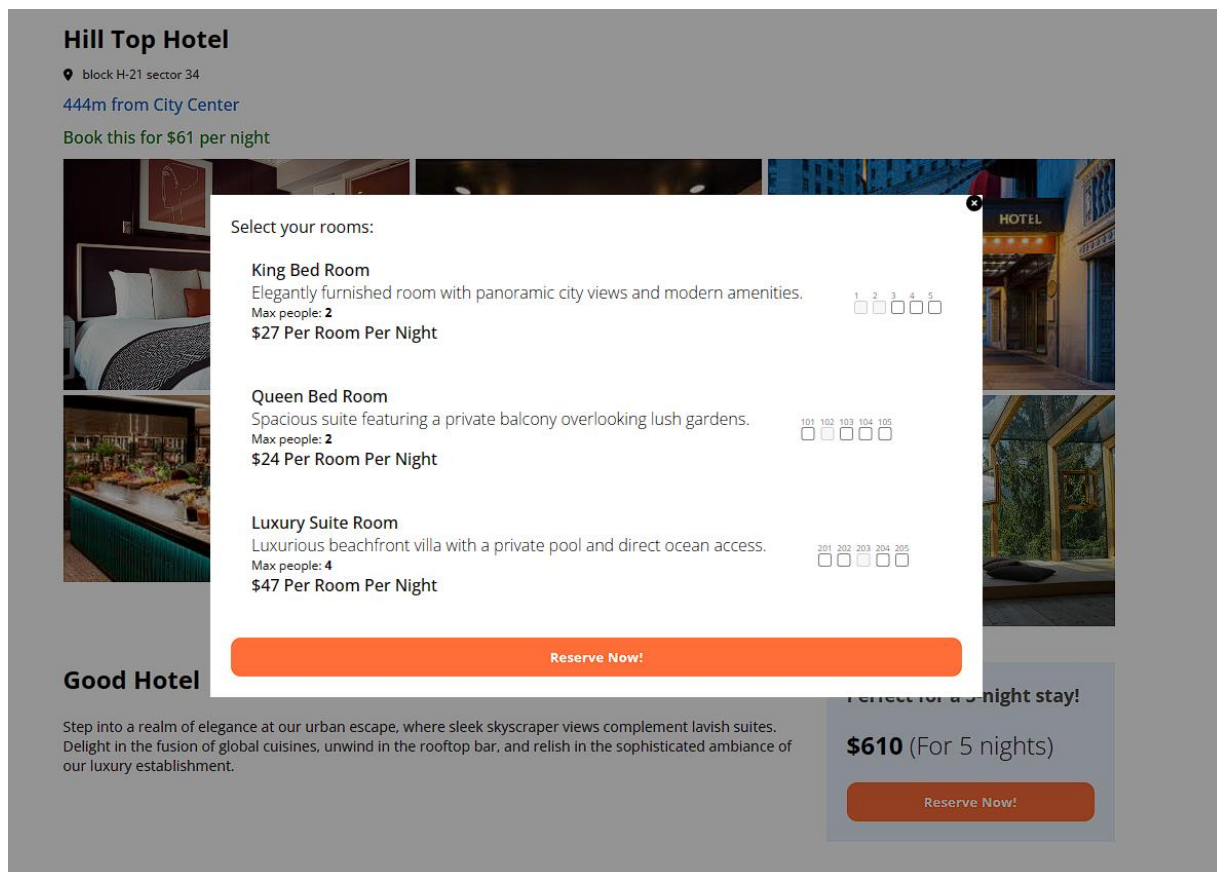Changing and enlarging the photographs is possible.

**Room booking page:**
Consumers can reserve the rooms for the computed fee (based on the number of nights chosen).
The users can choose a room from the various room types and numbers.



The user would not be able to reserve the same rooms again once they had already done so. The option to select the rooms becomes disabled.

**Admin Side :**

Users, rooms, and hotels may all be managed using the admin page.

The manager must sign in as an admin since only admins can access the admin site.



**Users page:**

It displays all the existing users. New users can be added, and existing users can be deleted.
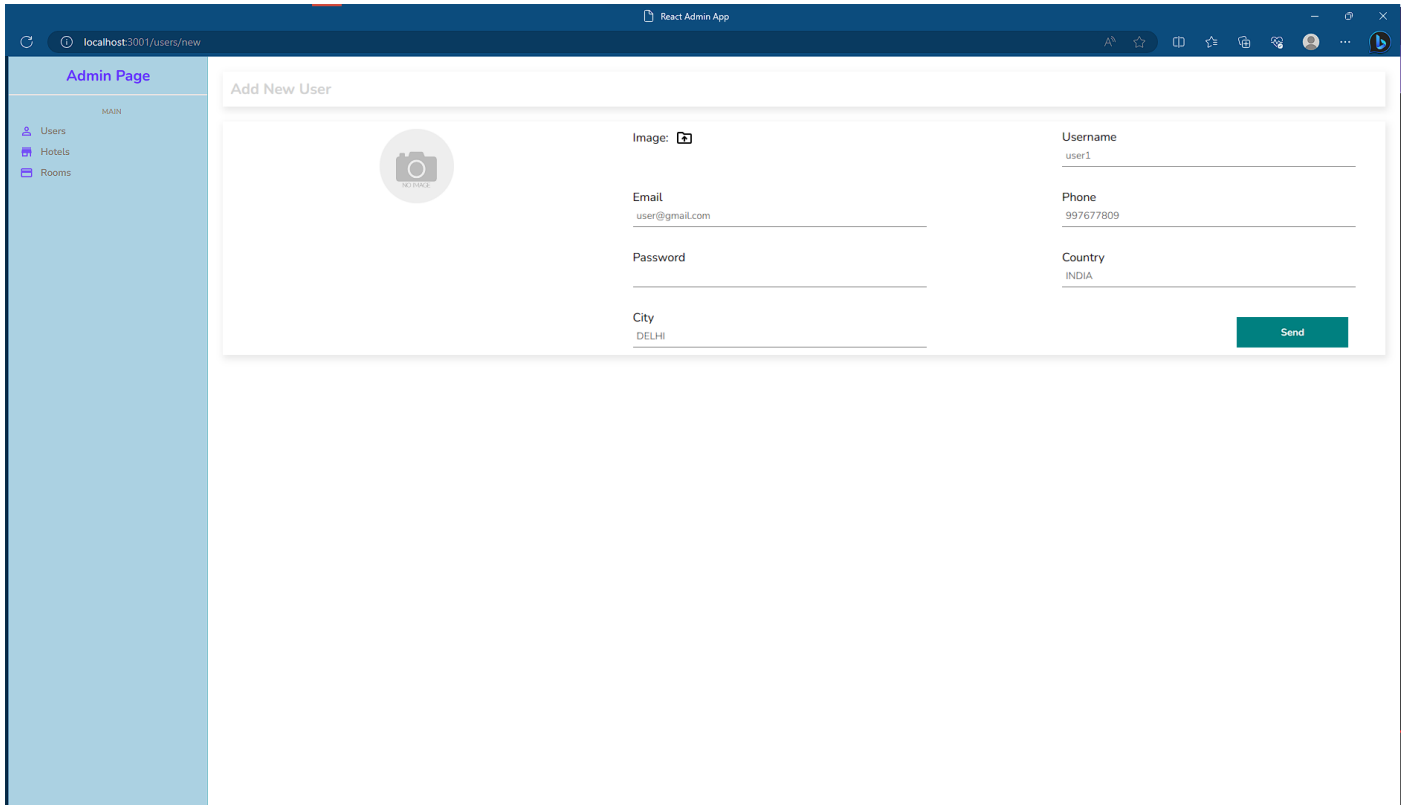
**New users can be added:**

User information might include a photo, user name, email, password, city, country, and phone number.



**Hotels page:**

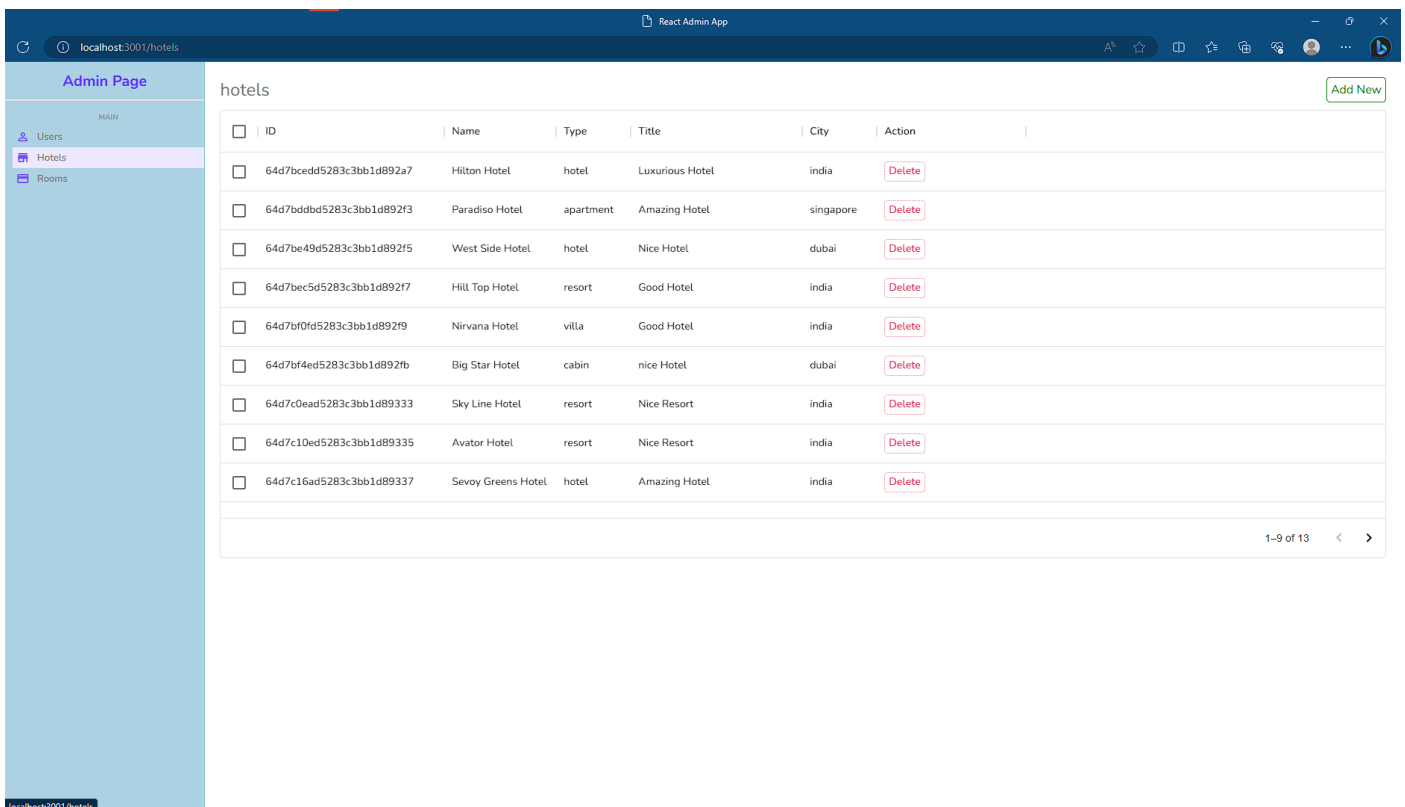It displays all the existing Hotels with some of their information. New hotels can be added, and existing hotels can be deleted.

**New Hotels can be added:**

Multiple photos, the property type, address, name, city, distance from the city center, title, price, and description may all be uploaded when creating a new hotel. Admin has the option of featuring or not featuring this property. Additionally, the hotel's administrator can choose among the available rooms.



**Rooms page:**

It displays all the existing rooms with some of their information. New rooms can be added, and existing rooms can be deleted.

The administrator can establish a new room by providing a title, description, price, maximum number of guests, and room numbers.
Admin can also add these rooms to different hotels.