

Hotel Booking and Management Platform

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Introduction

The Hotel Booking and Management Platform is designed to offer a seamless and efficient way for guests to book hotel rooms and for administrators to manage hotel operations. This platform leverages modern technologies to create a user-friendly interface that caters to the needs of both guests and hotel staff.

Guest Experience :

For guests, the platform provides an intuitive and streamlined process for searching, booking, and managing their reservations. The home page allows users to quickly search for available rooms and view the facilities offered by the hotel. The room page gives detailed information about the types of rooms available, including amenities, check-in and check-out details, and pricing. Guests can make reservations directly through the platform, ensuring a hassle-free booking experience.

Additionally, the platform features a "Find My Booking" functionality, enabling guests to retrieve their booking details using a confirmation code. This feature is particularly useful for travelers who need quick access to their reservation information.

Administrative Functionality :

For hotel administrators, the platform offers robust tools for managing rooms and bookings. Administrators can add, edit, and remove room listings, ensuring that the platform always reflects the current availability and pricing of rooms. The booking management section allows admins to oversee all reservations, modify bookings, and handle cancellations efficiently.

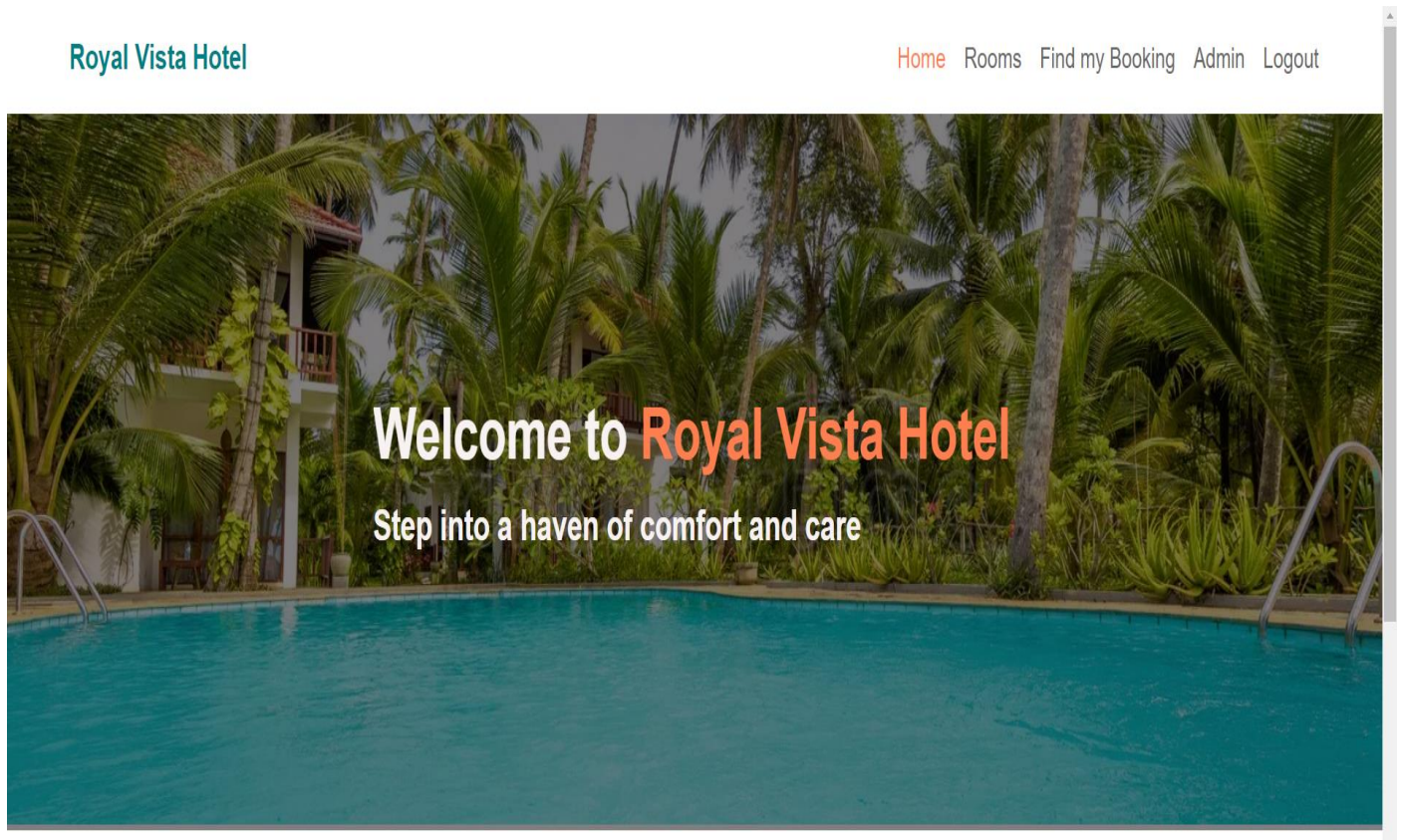
Technology Integration :

The platform is built using a combination of frontend and backend technologies that ensure a responsive and reliable user experience. The frontend is developed with ReactJS, providing a dynamic and interactive interface for users. The backend is powered by Java and Spring Boot, offering a robust framework for handling business logic and database interactions. The platform uses MySQL for data storage, ensuring data consistency and reliability. Additionally, AWS S3 is used for storage, providing scalable and secure data management.

Features

1. Home Page

The home page serves as the entry point for users, allowing them to search for available rooms and view the facilities offered. It provides an intuitive interface to quickly find the desired room type and check availability.



Check-in Date

Select Check-in Date

Check-out Date

Select Check-out Date

Room Type

Select Room Type

Search Rooms

[All Rooms](#)

Services at Royal Vista Hotel



Air Conditioning

Stay cool and comfortable throughout your stay with our individually controlled in-room air conditioning.



Mini Bar

Enjoy a convenient selection of beverages and snacks stocked in your room's mini bar with no additional cost.



Parking

We offer on-site parking for your convenience . Please inquire about valet parking options if available.



WiFi

Stay connected throughout your stay with complimentary high-speed Wi-Fi access available in all guest rooms and public areas.

2. Room Page

The room page provides detailed information about the various types of rooms available, including check-in and check-out details. Users can easily book rooms directly from this page.

Royal Vista Hotel

[Home](#) [Rooms](#) [Find my Booking](#) [Admin](#) [Logout](#)

All Rooms

Filter by Room Type: All

Check-in Date

Select Check-in Date

Check-out Date

Select Check-out Date

Room Type

Select Room Type

Search Rooms



Presidential

Price: \$1200 / night

Description: a big presidential room

Edit Room



Family Updated

Price: \$800 / night

Description: a big family room

Edit Room



Family Updated

Price: \$800 / night

Description: a big family room

Edit Room



Suit

Price: \$850 / night

Description: A lovely big suit room 2

3. Find My Booking

This feature allows users to find their booking details using a confirmation code. It is designed to provide quick access to booking information, making it easy for users to retrieve their reservations.

Royal Vista Hotel

HomeRoomsFind my BookingProfileLogout

Find Booking

SR2Q0FQZM0Find

Booking Details


Confirmation Code: SR2Q0FQZM0
Check-in Date: 2024-05-28
Check-out Date: 2024-05-29
Num Of Adults: 4
Num Of Children: 1

Booker Details

Name: Alice
Email: alice@gmail.com
Phone Number: +245678906

Room Details

Room Type: Suit



4. User Profile

Users can view their own profile and booking history. This section provides a personalized experience, showing all past and upcoming bookings and allowing users to manage their reservations.

Royal Vista Hotel

HomeRoomsFind my BookingProfileLogout

Welcome, Alice


Edit ProfileLogout

My Profile Details


Email: alice@gmail.com
Phone Number: +245678906

My Booking History

Booking Code: SR2Q0FQZM0
Check-in Date: 2024-05-28
Check-out Date: 2024-05-29
Total Guests: 5
Room Type: Suit

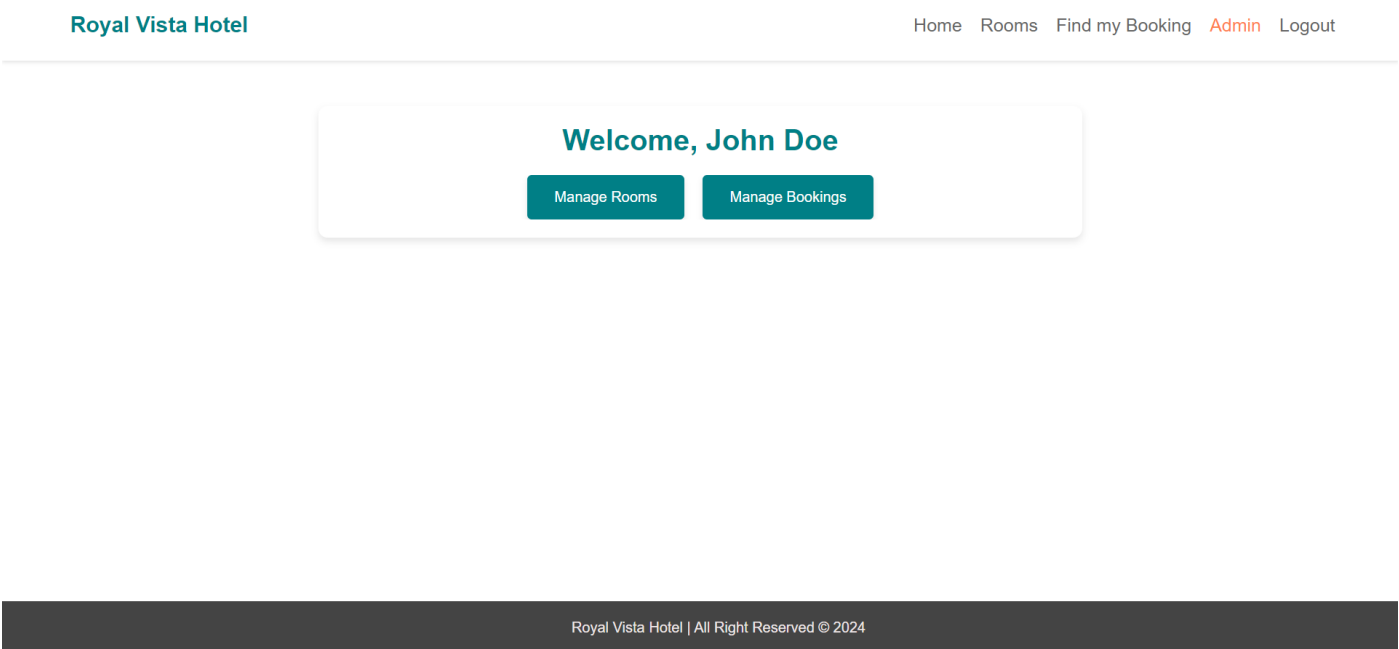


Booking Code: RTLYJPTX08
Check-in Date: 2024-05-04
Check-out Date: 2024-05-05
Total Guests: 2
Room Type: Suit

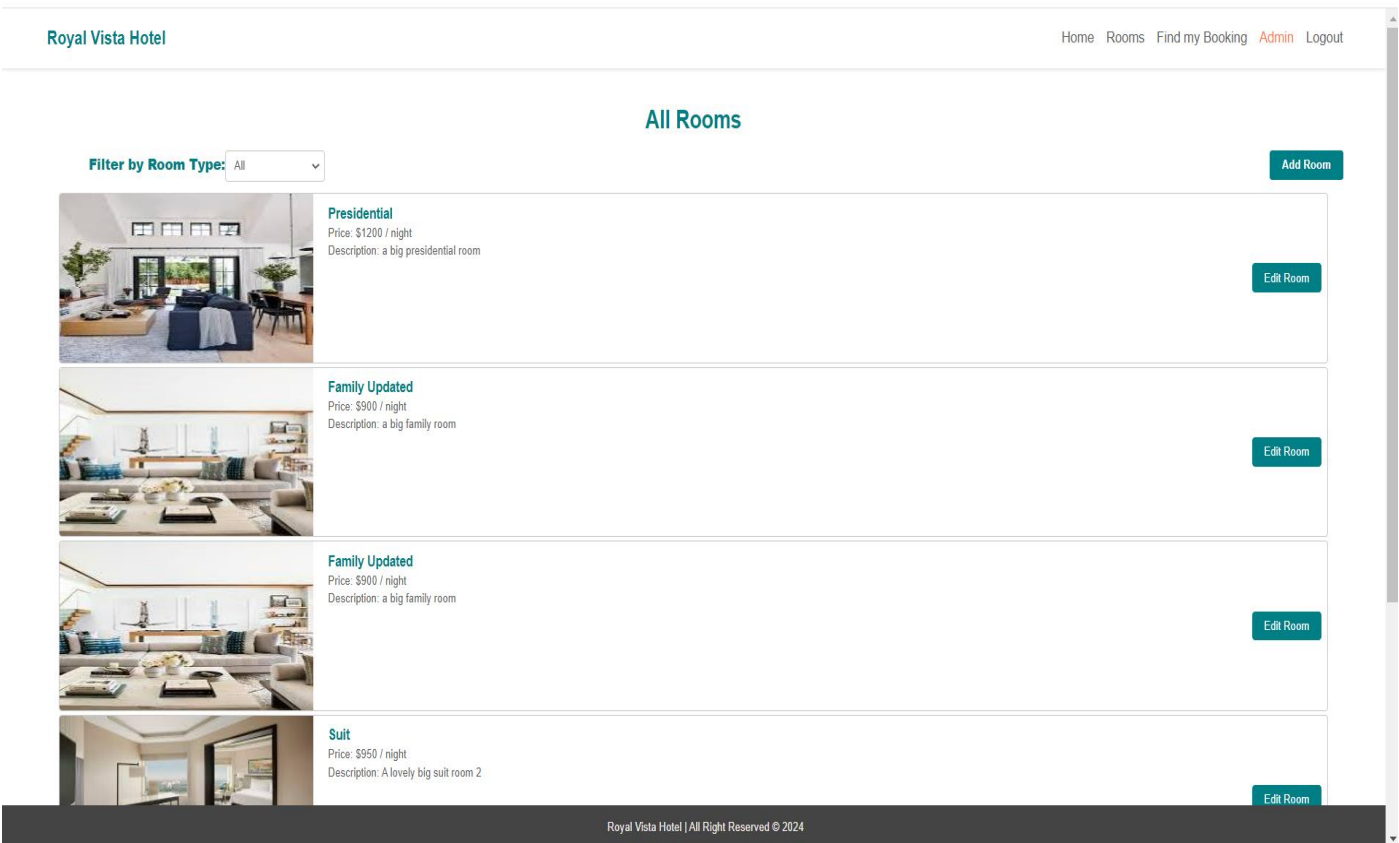


5. Admin Management

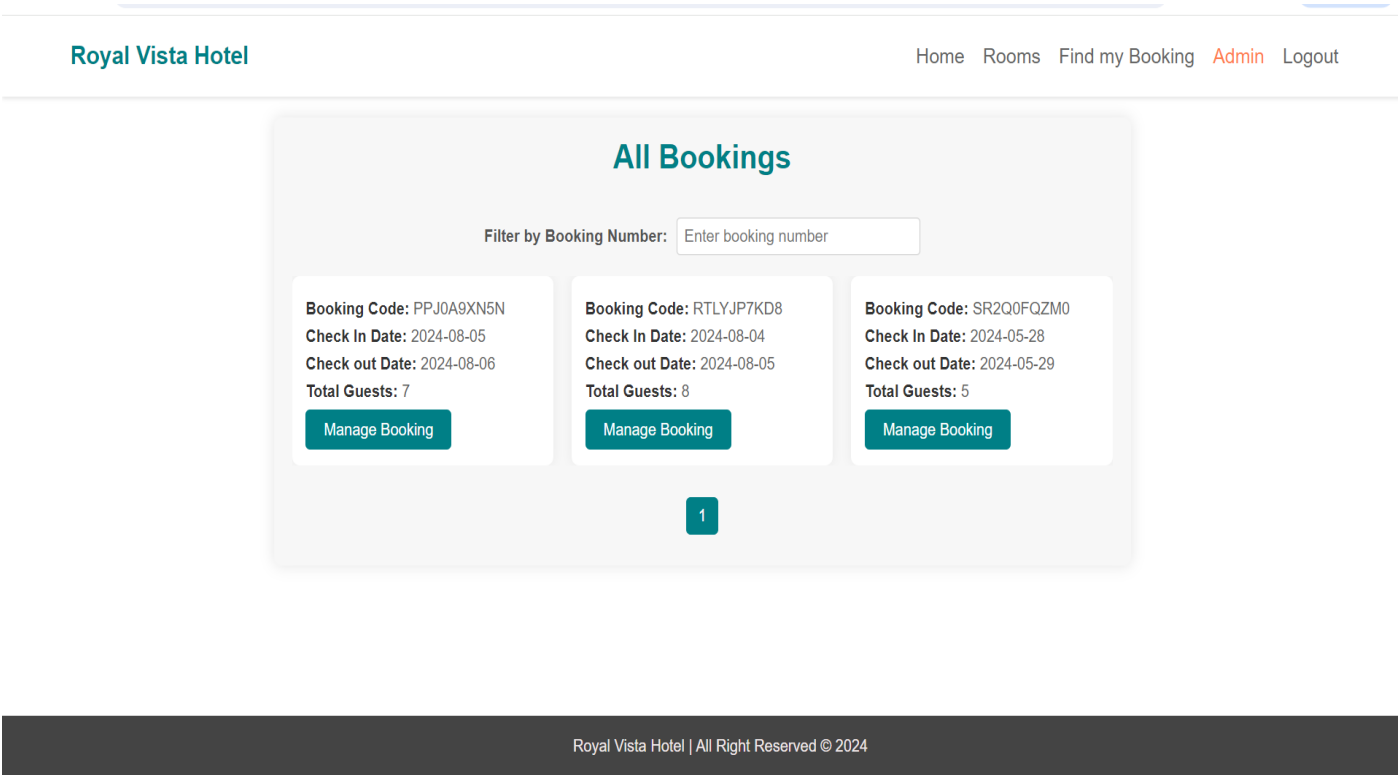
Admins have access to a special section where they can manage both rooms and bookings. This includes adding, editing, and removing rooms, as well as handling all aspects of bookings.



Manage Rooms:



Manage Bookings:



Technologies Used :-

Frontend: ReactJS, HTML, CSS, JavaScript

Backend: Java, Spring Boot

Database: MySQL

Frameworks: Hibernate ORM for database interaction

APIs: RESTful APIs for communication between frontend and backend

Storage: AWS S3 for storage

Conclusion

The Hotel Booking and Management Platform is a robust solution designed to enhance the guest experience while simplifying administrative tasks. By providing a user-friendly interface and comprehensive features, it ensures efficient booking and management processes for hotels. This platform can be easily customized and scaled to meet the needs of different hotel operations.