

Flight Booking System

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ABSTRACT

This project aims at establishing on Flight Booking System which can be utilized by Admin and Customers. Customers can check the availability of seats in a desired flight by following the admin's advice or publication of room availability across various Airlines. This dynamic website was created with the help of Java Spring Boot, JSP, CSS3, and Bootstrap. The end users in this case are everyone who will use this online application. When making a hotel reservation, they must be able to find out whether Seats are available on a specific day. In order to make their stay comfortable, they should be able to reserve the available seat ahead of time based on their needs. The technology allows users to sign up and log in. The administrator will be aware of the specifics of the reservation and daily earnings. The hotel department keeps track of reservations and seat availability in a specific database.

Key words: Admin, Airlines, Spring Boot, Application, reservation, technology, database.

I INTRODUCTION

The design, flight Management System is a web-grounded operation that allows the Airlines director to handle all hostel conditioning online. Interactive GUI and the capability to manage colourful flight bookings and seat make this system veritably flexible and accessible. The flight director is a veritably busy person and doesn't have the time to sit and manage the entire conditioning manually on paper. This operation gives him the power and inflexibility to manage the entire system from a single online system. flight operation design provides seat booking, staff operation and other necessary hostel operation features. The system allows the director to post available apartments in the system. guests can view and bespeak room online. Admin has the power of either approving or disapproving the client's booking request. Other flight services can also be viewed by the guests and can bespeak them too. The system is hence useful for both guests and directors to movable manage the flight conditioning.

II METHODS AND MATERIALS

Proposed system

In this paper we will use the Java Spring Boot framework and for frontend we used Java Servlet Page (JSP) which make our webpage dynamic. There are many advantages of using Spring Boot framework such as The main benefit is that spring boot makes it simple to develop spring-based apps using Java. The shorter amount of time is the biggest benefit. Spring Boot reduces the amount of time needed for development and boosts output. Additionally, it reduces the amount of human labor required to write boilerplate code, annotations, and XML settings. The Spring Ecosystem, which consists of Spring Security, Spring Data, Spring JDBC, and Spring ORM, has made it simple to integrate the Spring Boot Application with it. Using the "Opinionated Defaults Configuration" also lessens the work required from developers.

1. Admin Module:

Admin has the ability to add receptionists, customers, and check a customer's bill as well as view all receptionist and customer information, add new services, and view a client's bill, among other things.

Home: The admin may quickly check the total number of new bookings, authorized bookings, cancelled bookings, registered users, read enquires, and unread enquires in this area.

seats Category: The administrator can edit (add/delete) categories in this area.

New seat: The administrator can add and update rooms in this area.

Page: The administrator can control the pages for "about us" and "contact us" here.

Booking: The admin may check new, authorized, and cancelled bookings in this area and can provide a comment.

Reg Users: The administrator may check the information of registered users in this area and also add new users.

Search: Using his or her cellphone number and the booking number, respectively, admin may search for inquiry and booking information in this part.

Reports: In this area, the front desk agent may read information about inquiries and look up booking information for a certain time frame.

2. Receptionist Module:

Admin has the ability to add receptionists, customers, and check a customer's bill as well as view all receptionist and customer information, add new services, and view a client's bill, among other things.

Home: A receptionist may quickly check the overall number of new bookings, authorized bookings, cancelled bookings, and registered users in this section.

Seat Categorization: The front desk agent may see the category here.

Page: The administrator can control the pages for "about us" and "contact us" here.

Booking: The front desk agent may see new, authorized, and cancelled bookings in this area and provide a comment. The user's room can also be reserved by the receptionist.

Registered Users: Receptionists may examine the details of registered users in this area and also add new users.

Search: Using his or her cellphone number and the booking number, respectively, the receptionist can search for inquiry and booking information in this area.

3. Customer Module:

Customers may choose a room, reserve a room, check the availability of seat, register, pay a bill, and more.

Home: This is the user-welcome page.

About: This website's about us page.

Services: Users may examine the services that the organization offers in this area.

Seat: In this area, users may examine information on the rooms that the hotel offers.

Gallery: The user may view the hotel gallery in this area.
Reserve Seat: By signing up with the hotel, the customer may book a room in this area.

Contact: There is a link where users may send the hotel their questions.

Sign Up: Visitors may sign up using the sign up website. The page is for logging in.

My Account: After registering, users can create their own accounts via which they can examine booking information for hotels, change their passwords, reset them, and update their profiles.

III IMPLEMENTATION

The implementation of this paper will begin with determining the total number of modules included in the project. There are three components in this project. First, we'll create the Index Page (Main Page), which will have the log in/sign in and hotel booking choices. This page will be linked to all three modules. Using the Java Servlet Page, we will first create a GUI for the Main Page and all three modules (JSP). Using the Java Spring Boot framework, we will develop the backend code for all modules and the main page after designing the GUI. We will now use the Rest API to link the client side to the backend. Go to the main Java file and launch as a Spring Boot application if you wish to execute apps. Once the program has successfully started, we must utilize any browser to launch it by entering the URL (Localhost link).

IV RESULTS & DISCUSSION

In this paper the customer can book the seat available in the flight easily. Admin can also add and book the seat for customer, also he can add the receptionist who will add and book the available seats for customers.

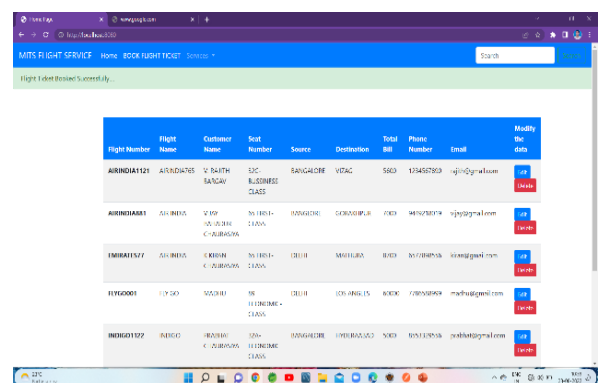


Fig:1 (Main Page)

This is the main page where the admin, receptionist and customer can login. If customer does not have account he can register by providing details.

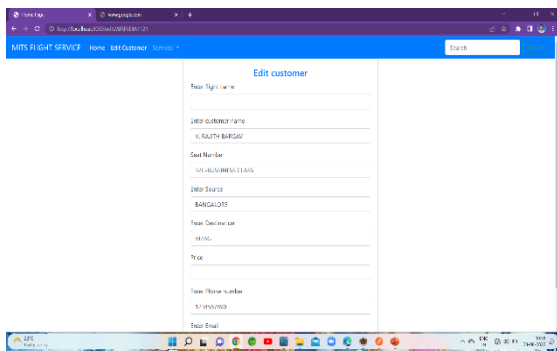


Fig:2 (admin page)

This is the admin page this page contains the function of the admin he can add the receptionist, customers and he can check the booking information, customer bills also he can see the number of customers.

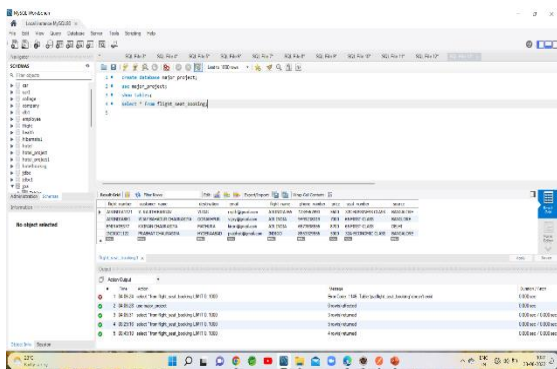


Fig :3 (admin adding receptionist)

In this page the admin can add the receptionist in to the database by providing username, user Email, password, mobile number of the receptionist.

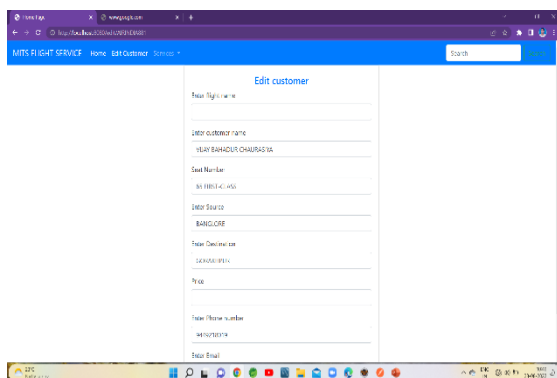


Fig :4 (Booking room form)

This form is to make booking the available seat in the flight by providing the Email, check In, check out, seat type, number of adults and children, phone no, seat number.

V CONCLUSION

The design's conclusion is One type of motorised management system is the flight booking system. This system retains the hardware and software reports for this association. The proposed system would keep track of a worker's, a tenant's, an account's history, and the origin of reports on the present state. Through vibrant, user-friendly menu-driven modules, this design's GUI-based software will aid in saving, simplifying, and reacquiring the information. The "flight booking System" is a design that aims to construct in order to manage the day-to-day status of resident admittance and vacation, the List of Workers, payment data, etc. The primary goal of this concept is to enable hotels to handle all of their tasks utilising motorised processes. This software function will assist the administrator in managing visitor information, room assignment information, payment information, billing information, etc. Design documentation includes thorough explanations of modules and design. The current system was manually preserved. The hotel must keep track of every guest's information, including pricing information, seat assignment, attendance, etc. There are several drawbacks due to the manual entry and recapture of all these facts, including time consumption, process streamlining, and data trip. To prevent this, we established, or recommended, a new system. This system's motorised interpretation offers simple, quick access to the data.

VI REFERENCES

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