

# Flight Booking Management System

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Project Guide:

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# **Flight Booking Management System Project Report**

## **INTRODUCTION**

The Flight Booking Management System has been developed to override the problems prevailing in the practicing manual. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Flight Ticket Booking System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Ticket, Flight, Passenger, Flight Route, Payment. Every Flight Ticket Booking System has different Flight needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

# **Flight Booking Management System Project Report**

## **IDE & Domain in which this System is built**

The IDE(Integrated Development Enviroment) in wich this system is built is Visual Studio 2022.This ID is super beneficial as it provides users with alot of easiness. You don't need to develop tools by yourself it provides you this facility , you just have to write the code fo the tools to work. This IDE is very user friendly and beneficial.

The domain we used to built this system is C#.C# (C-Sharp) is a programming language developed by Microsoft that runs on the .NET Framework.. C# is not a domain specific language it is a general purpose language, it is used to solve the problems of every space or domain.

C# is used to develop web apps, desktop apps, mobile apps, games and much more.

C# is designed for Common Language Infrastructure (CLI), which consists of the executable code and runtime environment that allows the use of various high-level languages on different computer platforms and architectures.

It has various advantages like

1. It has faster development time.
2. High scalability. The static code nature of C# turns all programs into realiable products.
3. Object oriented.
4. Automatic Garbage Collection.

## **Flight Booking Management System Project Report**

- **Purpose of this Management System:**

The purpose of Flight Booking Management System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Flight Booking Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

- **Objective of this Management System:**

The main objective of the Project on Flight booking Management system is to manage the details of Airlines Tickets, Flights, Bookings, Customers, Booking Counter. It manages all the information about Airlines Tickets, Vendors, Booking Counter, and Airlines Tickets. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Airlines Tickets, Flights, Vendors, and Bookings. It tracks all the details about the Bookings, Customers, and Booking Counter.

## **Flight Booking Management System Project Report**

- **Advantages:**

1. Easy to book tickets.
2. Saves time and money.
3. Provides every information about flight.
4. 24/7 customer support through chat and calls.
5. Mobile Availability.
6. Send automated tickets to the customer by mail.
7. Easy Refund Policies.
8. Available for both Domestic and International Airlines.

- **Disadvantages:**

1. You need internet access. Reliable internet access is required to check reservations and add bookings that are made over the phone. ...
2. You need to be ready for an influx of new customers. ...
3. Not all online booking systems are created equal.

- **Modification:**

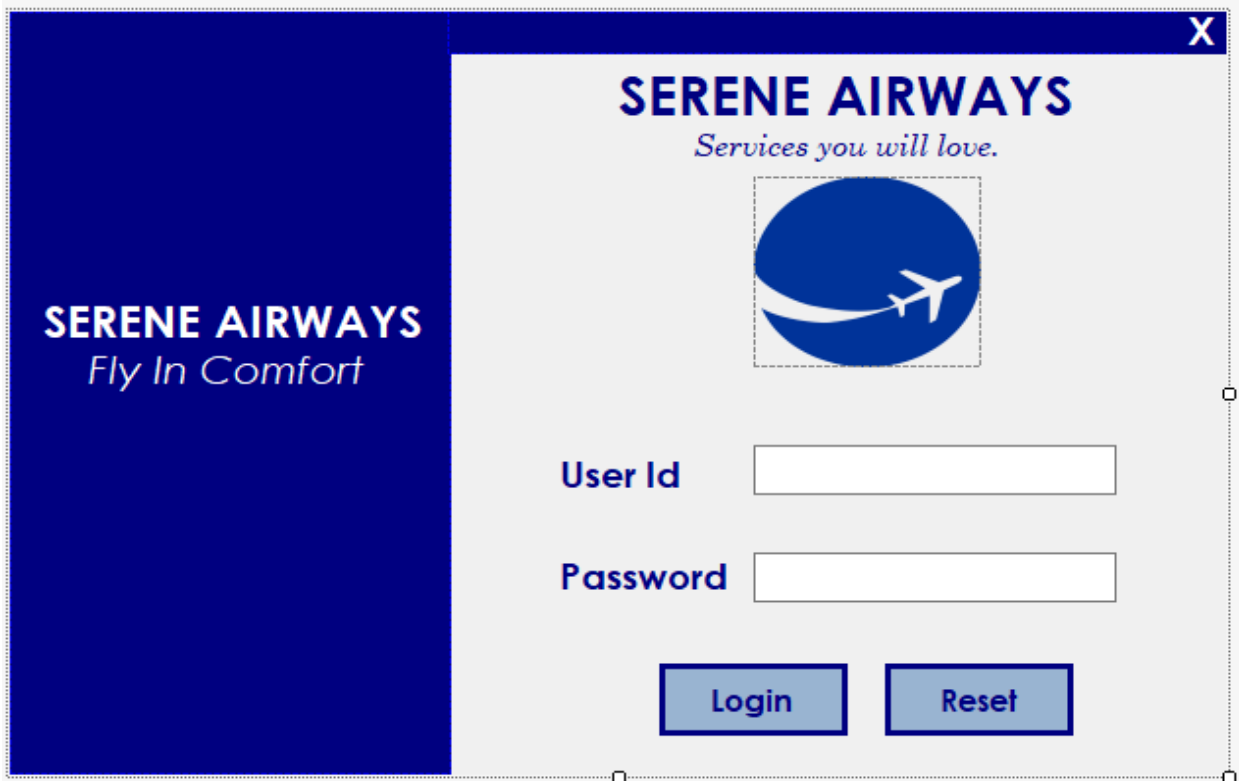
1. One can modify this system by adding an option of “Cancellation Fee” when someone cancel a booked flight. The amount of the fee will be according to the flight that person has cancelled.
2. A customer can give advance payment and book the seat of his own choice on call without coming to the airport.

## Flight Booking Management System Project Report



This is Loading form when the loading completes a next form i.e login form appears.

## Flight Booking Management System Project Report



The screenshot displays a web application window titled "SERENE AIRWAYS" with a close button (X) in the top right corner. The window is divided into two main sections. On the left is a dark blue vertical sidebar containing the text "SERENE AIRWAYS" in white, with the tagline "Fly In Comfort" below it. The main content area on the right has a light gray background. At the top of this area is the "SERENE AIRWAYS" logo in blue, followed by the tagline "Services you will love." in a smaller blue font. Below the tagline is a circular logo featuring a white airplane flying over a blue arc. Underneath the logo are two input fields: "User Id" and "Password", each with a corresponding text label to its left. At the bottom of the form are two blue buttons with white text: "Login" and "Reset".

This is a Login form if the user wants to use the system he must login first. Here a user Id and password is needed. If the user enters wrong password or Id a messagebox containing message "Please enter correct data" will appear. If the user enters correct information a new form will appear on the screen.

# Flight Booking Management System Project Report



This is Home form. From this form user can easily go to any form of his choice. If he wants to boom a flight he will just simply click on the flights button and the form for booking a flight will appear. The same procedure is required to move to the other forms.



## Flight Booking Management System Project Report



The screenshot displays a web application window titled "SERENE AIRWAYS" with a subtitle "Record Passengers". The window has a blue header bar with a close button (X) in the top right corner. The form contains several input fields for passenger information, followed by three buttons: "Record", "Reset", and "Back". Below these is a larger button labeled "View Passenger". To the right of the form is a small image showing a man in a blue shirt sitting in an airplane cabin, looking out the window. The form fields are as follows:

Field Label	Field Type
Passenger ID	Text Input
Passenger Name	Text Input
Passport Number	Text Input
Passenger Address	Text Input
Nationality	Dropdown Menu
Gender	Dropdown Menu
Phone Number	Text Input

Buttons: Record, Reset, Back, View Passenger

This Add Passenger form is used to record the passenger's data. To book a flight some information of passenger is needed here the required data is entered and then I get recorded by clicking on the Record Button. The information can be removed by using Reset Button. If the user wants to go back to the home page he can simply use the Back Button. User will see the recorded data on the view passenger form by clicking on View Passenger Button.

## Flight Booking Management System Project Report

The screenshot shows a web application window titled "SERENE AIRWAYS" with a subtitle "View Passengers". The window has a dark blue header bar with a close button (X) in the top right corner. The main content area is light gray and contains several input fields for passenger information: "Passenger ID", "Name", "Passport Number", "Address", "Nationality" (a dropdown menu), "Gender" (a dropdown menu), and "Phone Number". Below these fields are four buttons: "Update", "Reset", "Delete", and "Back". The bottom of the window is a dark blue bar. The entire window is surrounded by a thin gray border with small square handles at the corners and midpoints.

SERENE AIRWAYS	
View Passengers	
Passenger ID	<input type="text"/>
Name	<input type="text"/>
Passport Number	<input type="text"/>
Address	<input type="text"/>
Nationality	<input type="text" value="v"/>
Gender	<input type="text" value="v"/>
Phone Number	<input type="text"/>
<input type="button" value="Update"/>	<input type="button" value="Reset"/>
<input type="button" value="Delete"/>	<input type="button" value="Back"/>

This is the View Passenger form here the recorded data of the passenger can be seen if there is any mistake in the recorded data it can be updated, reset or deleted. User can go back to the record passenger form by using back button.

## Flight Booking Management System Project Report

The screenshot shows a web application window titled "SERENE AIRWAYS" with a close button (X) in the top right corner. Below the title is the subtitle "Ticket Booking". The form contains two columns of input fields. The left column has "Ticket ID" (text input), "Passenger ID" (dropdown menu), "Passport" (text input), and "Age" (text input). The right column has "Flight Code" (dropdown menu), "Name" (text input), "Nationality" (text input), and "Amount" (text input). Below these fields are three buttons: "Book", "Reset", and "Back". Underneath the buttons is the word "Bookings" in a bold, blue font. A large, empty rectangular box is positioned below the "Bookings" label, intended for displaying the booked ticket details. The entire form is enclosed in a light gray border with a dark blue header and footer.

<b>SERENE AIRWAYS</b>	
Ticket Booking	
Ticket ID	<input type="text"/>
Passenger ID	<input type="text"/>
Passport	<input type="text"/>
Age	<input type="text"/>
Flight Code	<input type="text"/>
Name	<input type="text"/>
Nationality	<input type="text"/>
Amount	<input type="text"/>
<input type="button" value="Book"/>	<input type="button" value="Reset"/>
<input type="button" value="Back"/>	
Bookings	
<div></div>	

This form is of Ticket Booking the user enter the required data to book ticket. The booked ticket details will be shown in the box given below. The user can remove the data by clicking on the reset button . by clocking on back button home form will appear on the screen.

## Flight Booking Management System Project Report

X

SERENE AIRWAYS

Record New Flights

Flight Code

Source

Destination

Take Of Date

Friday , January 13, 21


No Of Seats

Record

Reset

Back

View Flights



This Record Flight Form , from here flight can be booked by giving the required information and clicking on record button. By clicking on reset button all the data will be removed. User can go back to home page by clicking on back button. Next form will be appear on the screen by clicking on the view flights button.

## Flight Booking Management System Project Report

The screenshot shows a web application window titled "SERENE AIRWAYS" with a subtitle "View Scheduled Flights". The form contains several input fields and buttons. The "Flight Code" field is a text box. The "Source" field is a dropdown menu. The "TakeOf Date" field is a date picker showing "Friday , January". The "Destination" field is a dropdown menu. The "No. of Seats" field is a text box. Below the input fields are four buttons: "Delete", "Update", "Reset", and "Back". The form is enclosed in a blue border with a close button (X) in the top right corner.

**SERENE AIRWAYS**  
*View Scheduled Flights*

Flight Code

Source

TakeOf Date

Destination

No. of Seats

This View Scheduled Flights form is to view the recorded flights. Any information of the flights can be deleted, updated and reset here. The updated data will be shown in the box given below. User can move back to the previous form using back button.

## Flight Booking Management System Project Report

The screenshot shows a web application window titled "SERENE AIRWAYS" with a close button (X) in the top right corner. Below the title is the subtitle "Ticket Booking". The form contains four input fields: "Cancel ID" (text box), "Flight Code" (text box), "Ticket ID" (dropdown menu), and "Date" (dropdown menu showing "Friday , Januar"). Below these fields are three buttons: "Cancel", "Clear", and "Back". Below the buttons is the subtitle "Ticket Cancellation" followed by a large empty rectangular box for displaying the cancelled ticket information.

This Cancellation form is the form where a booked ticket can be cancelled. User will add the data of the ticket he wants to get cancelled. The cancelled ticket will then be shown in the box given below. User can go back to home page by clicking on back button.