

A PROJECT ON

“Airline Reservation System”

SUBMITTED IN
PARTIAL FULFILLMENT OF THE REQUIREMENT
FOR THE COURSE OF
DIPLOMA IN ADVANCED COMPUTING FROM CDAC



SUNBEAM INSTITUTE OF INFORMATION TECHNOLOGY
Hinjawadi

SUBMITTED BY:

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UNDER THE GUIDENCE OF:

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CERTIFICATE

This is to certify that the project work under the title 'Airline Reservation System' is done by Mhaske Rohan Jalindar in partial fulfillment of the requirement for award of Diploma in Advanced Computing Course.

Project Guide - Pooja Jaiswal

Mr. Yogesh Kolhe
Course Co-Coordinator

Date: 16/08/2024

ACKNOWLEDGEMENT

A project usually falls short of its expectation unless aided and guided by the right persons at the right time. We avail this opportunity to express our deep sense of gratitude towards Mr. Nitin Kudale (Center Coordinator, SIIT, Pune) and Mr. Yogesh Kolhe (Course Coordinator, SIIT ,Pune) .

We are deeply indebted and grateful to them for their guidance, encouragement and deep concern for our project. Without their critical evaluation and suggestions at every stage of the project, this project could never have reached its present form.

Last but not the least we thank the entire faculty and the staff members of Sunbeam Institute of Information Technology, Pune for their support.

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1. INTRODUCTION TO PROJECT

The web based “Airline Reservation System” project is an attempt to stimulate the basic concepts of airline reservation system. The system enables the customer to do the things such as search for airline flights for two travel cities on a specified date, choose a flight based on the details and reservation of flight

The system provides you Quick Search facility that provides you details about flights without login . But if user want to book ticket then it must require login into your account.

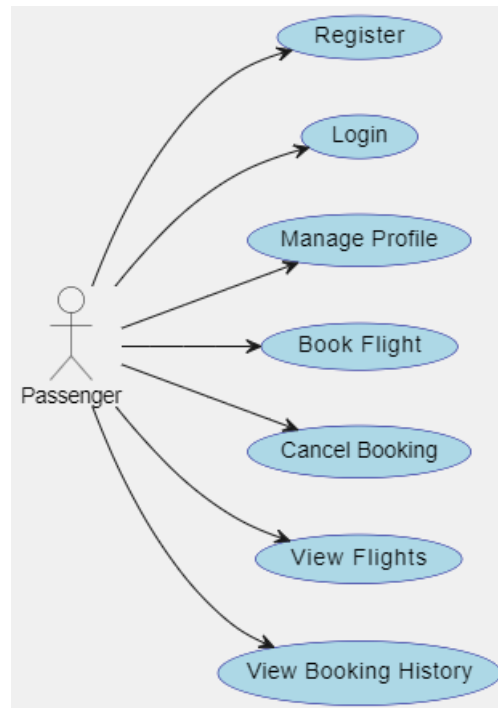
The system allows the airline passenger to search for flights that are available between the two travel cities, namely the “Departure city” and “Destination city” for a particular departure and arrival dates. The system displays all the flight’s details such as flight no, name, price and time of journey etc.

Here we provided quick search facility which displays list of available flights and allows customer to choose a particular flight. Then the system checks for the availability of seats on the flight. If the seats are available then the system allows the passenger to book a seat. Otherwise it asks the user to choose another flight.

To book a flight the system asks the customer to enter his details such as name, address, city, state, credit card number and contact number. Then it checks the validity of card and book the flight and update the airline database and user database.

2.REQUIREMENTS

2.1 FUNCTIONAL REQUIREMENTS



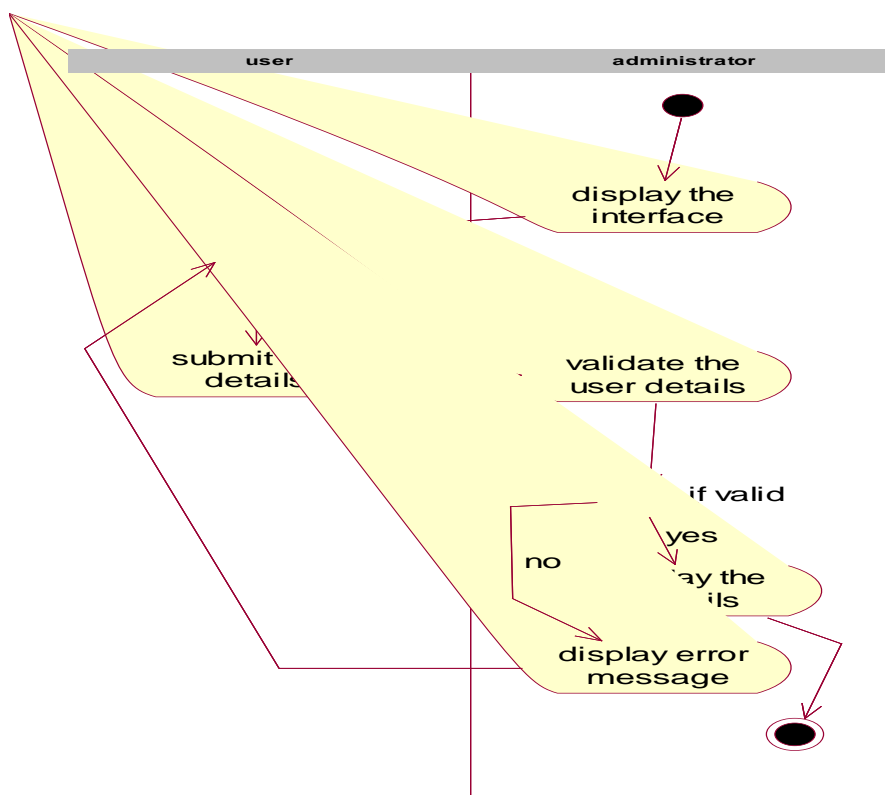
2.1 User Account

The Flight Reservation System using Spring Boot & React JS contains 2 modules i.e. Administrator & Customer where Customers can Book Flights by selecting the Flight Seat class type from Economy, Business, or First Class. So here if Flight Seat will be available then the customer ticket will immediately get confirmed. And if Seats are not available then his ticket booking will go to the waiting queue. Later if any customer cancels his confirmed ticket then the customer ticket that was in the waiting queue will get confirmed immediately.

After this customer can view all the Flight ticket booking history and the admin can see all the customer's flight ticket bookings in the dashboard. Once the Flight gets completed Admin can update the Flight status as Completed and now this will not be visible on the Website.

2.2 Registration and creation of user profile

The system shall require a user to register, in order to carry out any transactions with it except for checking the availability of tickets. It will ask the user for the following information at the least – a user id, a password, first name, last name, address, phone number, email, address, sex, age. The system will automatically create a 'wallet' field and initialize it to zero in the user's profile.



2.3 Quick Search

Here we provided Quick Search facility for any user to search flight schedule without login into account .This will provide user an option for searching flight and comparing their prices of all companies.

After logging in a user, the system shall request him to enter the following details – origin city and destination city. “City” is a generic term and refers to a city or town as the case may be. The original destination cities would be entered as text.

After the origin and destination cities are ascertained, the system shall now access the flight schedule database, referred to as ‘flight’, and checks if there is a direct operational service between the two cities.

The system shall now ask the user to enter the following details - class, one-way, departure date and the number of passengers. ‘Class’ refers to Business class/Economy class/First. This choice shall be made by the user through a drop down menu indicating all the possible combinations of choices.

Having taken all the above input from the user, the system checks for any false entries like the departure date, arrival date. In case of incompatibility, the system will not display any flights available.

The system queries the flights database ‘flight’ to check which of the flights on the schedule have seats available. The system displays the results in a suitable form (a tabular form) with the following information depicted – for each airlineId , flight number, departure time in origin city, arrival time in

destination city, departure city, arrival city ,Ticket price and the number of seats available on that flight.

There can be several flights of different airlines between two cities and all of them will be listed for the particular date that the user wants to depart from the Origin City. There will be a Book button in front of every row displayed in the table of flights searched.

The system will then ask for personal information of all passengers i.e. one registered user can book for multiple users. So all users will be added in the table.

The system shall now display the price of the ticket for the trip. This will be the sum of the prices for all the members of the travel party being represented by the user.

2.4 Making Reservations/Blocking/Confirmation

After having taken the user through the step 2.2, Checking Availability, The system will now ask the user if he wishes to block/buy the ticket. If yes, and

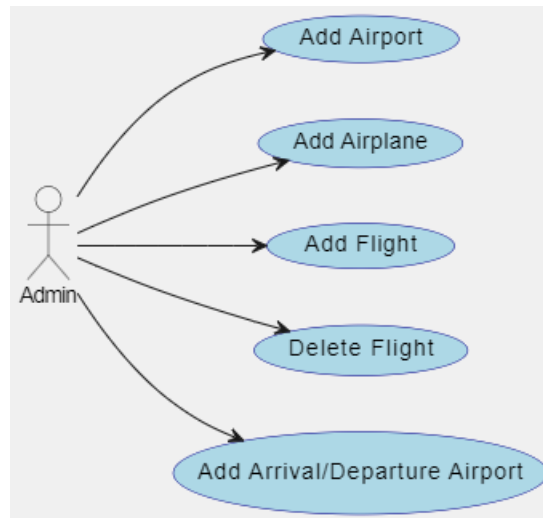
- a) if the user has been a guest, he will have to first register and become a registered user and then log onto the system.
- b) If the user is already a registered user, and if he has logged on already, he can block/buy the ticket, but if he has been acting as a guest, he will have to log on.

Having taken the input from the user in 3.4.2, the system shall now proceed to update the reservation database DB-reservation. It will decrement the number of available seats on the particular flight for the particular class by the number of travelers being represented by the user.

In case the user buys the ticket, the system decrease the wallet balance by ticket price.

2.5 View Booking History

The system shall allow a user to view all information about his previous bookings. After logging him on, it asks for his blocking number or his confirmation number. It accesses UserBookingtable and retrieves the details of the trip and presents them to the user in a tabular format.



Admin can add the Airports in the systems, after adding Airports, he can add the Airplanes. Now Admin can add the Flights in the system by selecting the Departure and Arrival Airports with the Departure and Arrival time and at this time Admin has to set the fare for Economy, Business, and First Class seats. Once a Flight gets added to the system it will be visible to all the customers and also they can search for the Flights by selecting the Departure and Arrival Airport with the time range.

2.2 NON FUNCTIONAL REQUIREMENTS

2.2.1 Interface

Go to Appendix B for user interfaces

2.2.2 Performance

- **Startup Time:** The Spring Boot server starts within approximately 10 seconds on this hardware. Initial loading of dependencies slightly impacts startup time, but overall, the application is responsive.

- **Response Time:** API response times were measured using Postman. For basic CRUD operations, the average response time was around 150ms. More complex operations, such as querying flights with multiple filters, had an average response time of 300ms.

2.2.3 Resource Utilization

- **CPU and Memory Usage:** During typical usage, the application consumed about 40% CPU and 1.5GB of RAM. Under simulated load, CPU usage spiked to 70%, and RAM usage increased to 2.5GB. The application remained stable, with no crashes or memory leaks observed.
- **Disk I/O:** Disk usage was minimal, with most operations being read-heavy. The SSD helped in maintaining quick read/write operations, contributing to the overall responsiveness of the system.

3. DESIGN

3.1 Database Design

The following table structures depict the database design.

Table1: User

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
1	id	int	4	0
0	city	varchar	255	1
0	contact	varchar	255	1
0	email	varchar	255	1
0	gender	varchar	255	1
0	name	varchar	255	1
0	password	varchar	255	1
0	roles	varchar	255	1
0	status	varchar	255	1
0	street	varchar	255	1
0	Wallet_amount	decimal	38,2	1

Table2: Airport

1	id	int	4	0
0	address	varchar	255	1
0	code	varchar	255	1
0	location	varchar	255	1
0	name	varchar	255	1

Table3: Airplane

1	id	int	4	0
0	business_seats	int	4	1
0	description	varchar	255	1
0	economy_seats	int	4	1
0	name	varchar	255	1
0	registration_number	varchar	255	1
0	status	varchar	255	1
0	total_seat	int	4	1
0	first_class_seats	int	4	1

Table4: Airplane Seat no

1	id	varchar	255	1
0	seat_	int	4	1
1	airplane_id	int	4	1

Table5: Flight

1	id	int	4	0
0	arrival_time	varchar	255	1
0	business_seat_fare	decimal	38,2	1
0	business_seats	int	4	1
0	departure_time	varchar	255	1
0	economy_seat_fare	decimal	38,2	1

0	economy_seats	int	4	1
0	first_class_seat_fare	decimal	38,2	1
0	first_class_seats	int	4	1
0	flight_number	varchar	255	1
0	status	varchar	255	1
0	total_seat	int	4	1
1	airplane_id	int	4	0
1	arrival_airport_id	int	4	0
1	departure_airport_id	int	4	0

Table5: Flight booking

1	id	int	4	0
0	booking_id	varchar	255	1
0	booking_time	varchar	255	1
0	flight_class	varchar	255	1
1	airplane_seat_no	int	4	1
1	flight_id	int	4	1
1	passenger_id	int	4	1

E-R Diagram,Dataflow diagram and Class Diagram:

Go to Appendix A

4. CODING STANDARDS IMPLEMENTED

Naming and Capitalization

Below summarizes the naming recommendations for identifiers in Pascal casing is used mainly (i.e. capitalize first letter of each word) with camel casing (capitalize each word except for the first one) being used in certain circumstances.

Identifier	Case	Examples	Additional Notes
Class	Pascal	Person, BankVault, SMSMessage, Dept	Class names should be based on "objects" or "real things" and should generally be nouns . No ' _ ' signs allowed. Do not use type prefixes like 'C' for class.
Method	Camel	getDetails, updateStore	Methods should use verbs or verb phrases.
Parameter	Camel	personName, bankCode	Use descriptive parameter names. Parameter names should be descriptive enough that the name of the parameter and its type can be used to determine its meaning in most scenarios.
Interface	Pascal with "I" prefix	Disposable	Do not use the ' _ ' sign
Property	Pascal	ForeColor,	Use a noun or noun phrase to name

BackColor properties.

Associated

private
member
variable

_camelCase _foreColor,
_backColor

Use underscore camel casing for the
private member variables

Exception
Class

Pascal with
"Exception" WebException,
suffix

Comments

- Comment each type, each non-public type member, and each region declaration.
- Use end-line comments only on variable declaration lines. End-line comments are comments that follow code on a single line.
- Separate comments from comment delimiters (apostrophe) or `//` with one space.
- Begin the comment text with an uppercase letter.
- End the comment with a period.
- Explain the code; do not repeat it.

5. TEST REPORT

Another group called Linux did the testing and the report of the testing is given hereunder.

GENERAL TESTING:

SR-NO	TEST CASE	EXPECTED RESULT	ACTUAL RESULT	ERROR MESSAGE
1	Register Page	Redirected to Next page	OK	Nothing
2	Login Page	Pop-up will come	Ok	Please enter username and password again .
3	Quick search flight	Gives all flight details	Ok	Nothing
4	Booking Ticket	All the fields should be filled for submission	Ok	Nothing
5	Checking login or not	User is logged in or not	Ok	Nothing
6	Add person details for tickets	Add informations according to no of seats allocated	Ok	Nothing
7	Goto ticket page	Set added information about person	Ok	Nothing
8	Add information in booking table	Save this all data into booking table	Ok	Nothing
9	Transaction	On back it should be reverted to previous page	Ok	Nothing
11	View transaction done	It shows you all transactions done previously	Ok	Nothing
12	Logout	It will logout from user profile.	Ok	Nothing

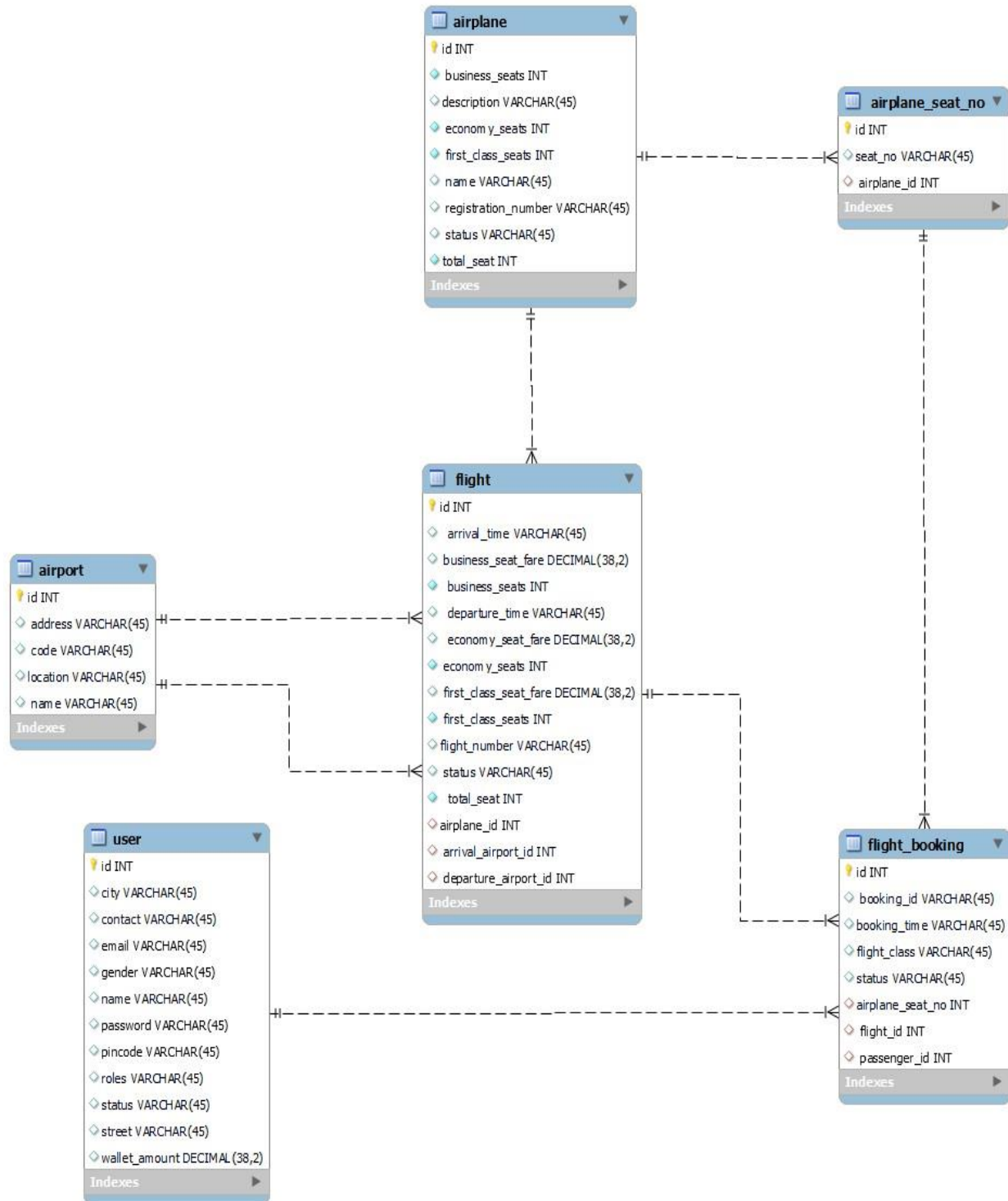
6. PROJECT MANAGEMENT RELATED STATISTICS

DATE	WORK PERFORMED	<i>SLC Phase</i>	Additional Notes
July 25,2024	Project Allotment and User Requirements Gathering	Feasibility Study	Our team met the client Mr. Nitinkudale (CEO, SIIT Pune) to know his requirements.
Aug 1,2024	Initial SRS Document Validation And Team Structure Decided	Requirement Analysis (Elicitation)	The initial SRS was presented to the client to understand his requirements better
Aug 3, 2024	Designing the use-cases, Class Diagram, Collaboration Diagram, E-R Diagram and User Interfaces	Requirement Analysis & Design Phase	Database Design completed
Aug 6, 2024	Business Logic Component design Started	Design Phase	-----
Aug 7, 2024	Coding Phase Started	Coding Phase	70% of Class Library implemented.
Aug 8, 2024	Implementation of Web Application and Window Application Started	Coding Phase	Class Library Development going on.
Aug 9, 2024	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	Class Library Modified as per the need.
Aug 10, 2024	Implementation of Web Application and Window Application Continued	Coding Phase and Unit Testing	--
Aug 11 , 2024	After Ensuring Proper Functioning the Required Validations were Implemented	Coding Phase and Unit Testing	Module Integration was done by the Project Manager

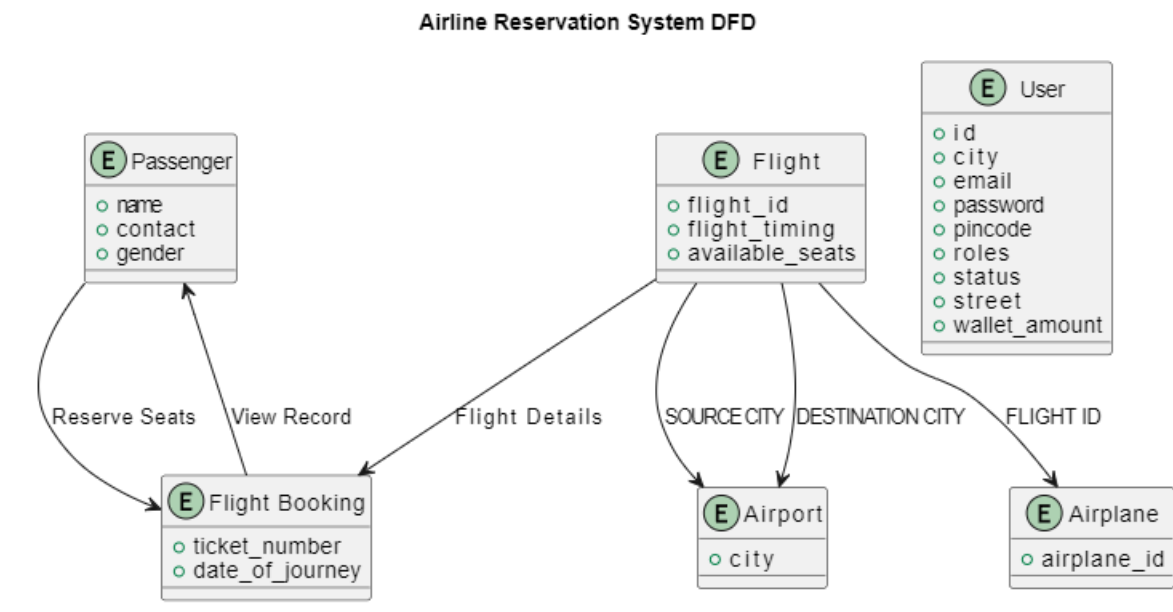
Aug 12, 2024	The Project was Tested by the respective Team Leaders and the Project Manager	Testing Phase (Module Testing)	--
JAN 13, 2024	The Project was Submitted to Other Project Leader of Other Project Group For Testing	Testing Phase (Acceptance Testing)	The Project of Other Team was Taken up by the Team for Testing
JAN 28-29, 2024	The Errors Found were Removed	Debugging	The Project was complete for submission
Aug 16, 2024	Final Submission of Project		

Appendix A

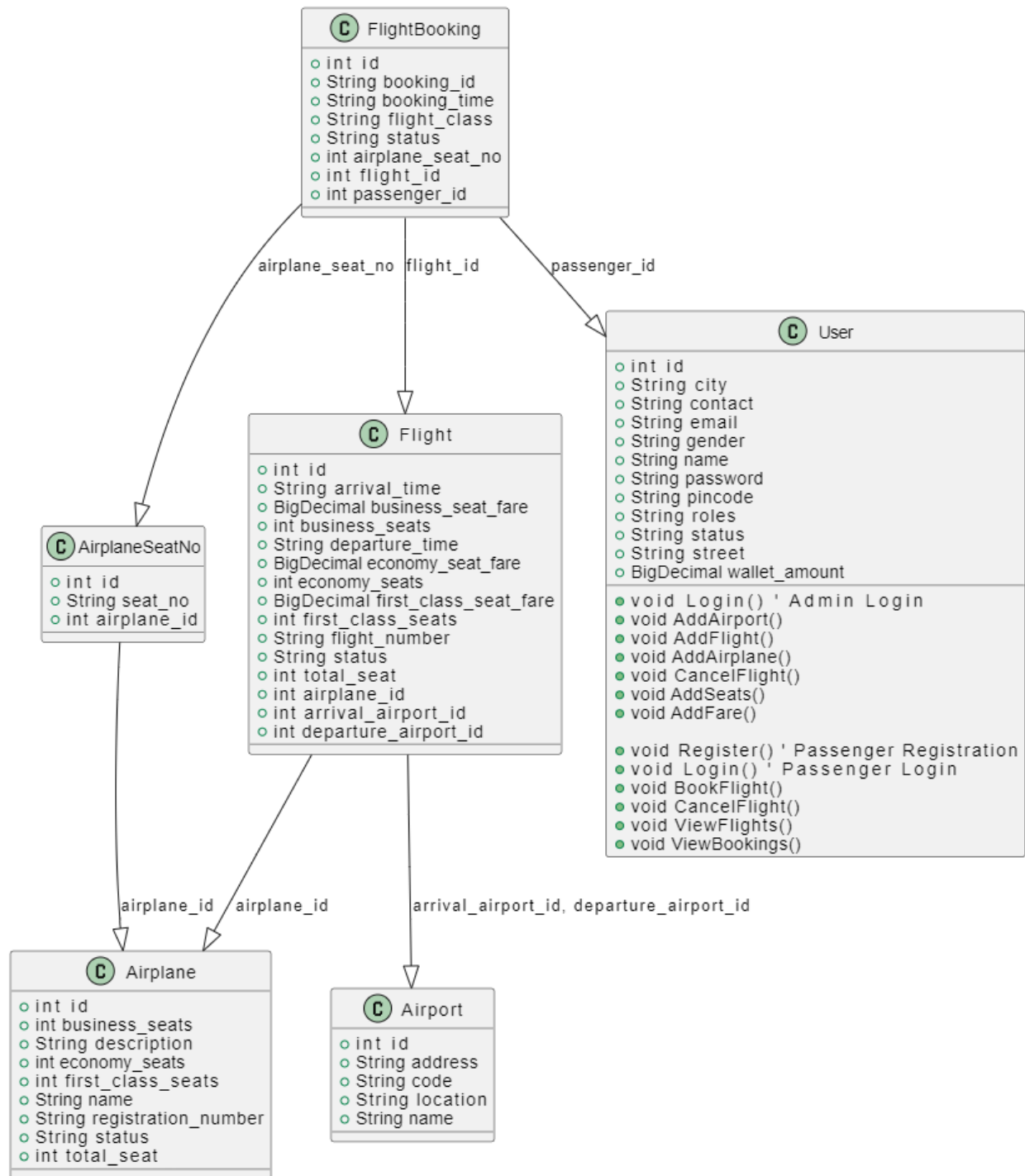
Entity Relationship Diagram



Data Flow Diagram:

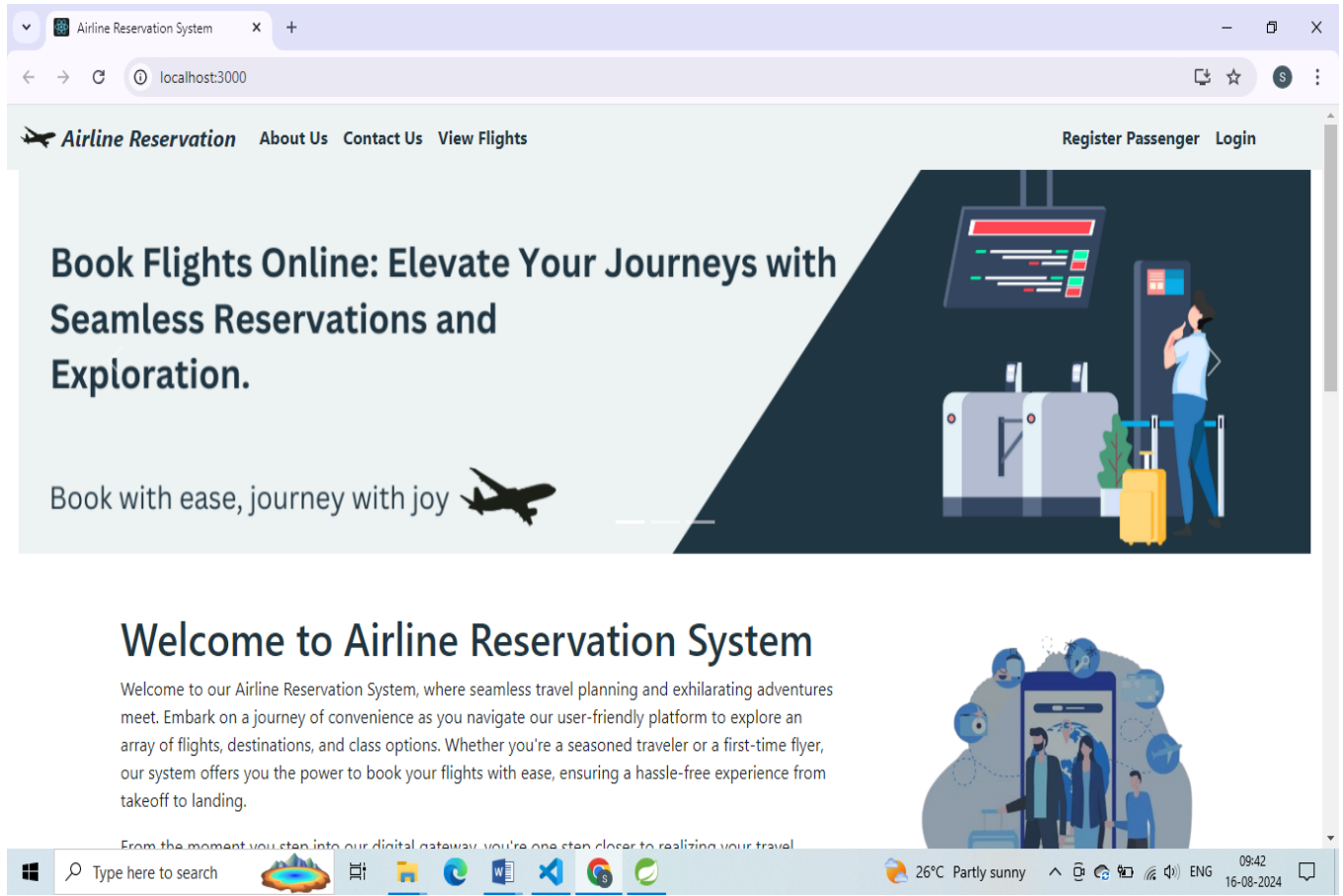


Class Diagram



Appendix B

Homepage:

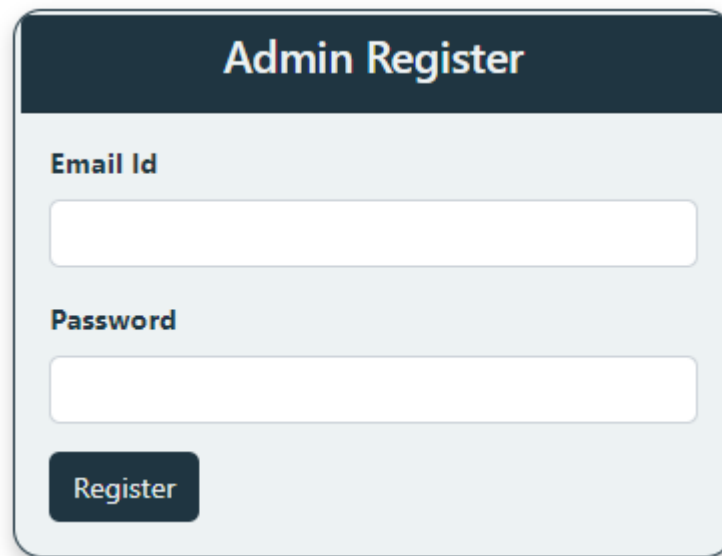


ROLES OF USER

ADMIN ROLE

1) Admin will be able to Register into the System.

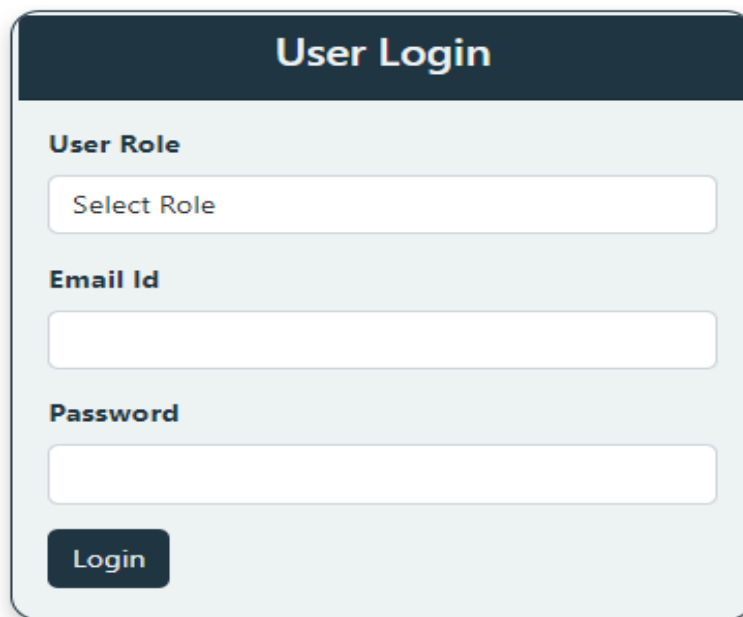
For the admin register, we have separate URLs i.e
(<http://localhost:3000/user/admin/register>)



The Admin Register form is a light blue rounded rectangle with a dark blue header bar containing the text "Admin Register" in white. Below the header, there are two input fields: "Email Id" and "Password", both with white text and light blue borders. At the bottom, there is a dark blue button with the word "Register" in white.

2) Admin can log in to the System.

All Users (Admin & Customer) can log in to the system by selecting the role.



The User Login form is a light blue rounded rectangle with a dark blue header bar containing the text "User Login" in white. Below the header, there are three input fields: "User Role" (a dropdown menu with "Select Role" as the placeholder), "Email Id", and "Password", all with white text and light blue borders. At the bottom, there is a dark blue button with the word "Login" in white.

3) Admin can add Airplanes in the Flight Reservation System.

Add Airplane

Airplane Name

Airplane Registration No.

Airplane Description

enter description..

Total Seat

Total Economy Seat

Total Business Seat

Total First Class Seat

Add Airplane

4) Admin can view all Airplanes in the Flight Reservation System.

All Airplanes						
Airplane	Registration Number	Airplane Description	Total Seat	Total Economy Seat	Total Business Seat	Total First Class Seat
Fast Airplane	FAST12345	Fast Airplane is the fastest Airplane	20	10	6	4
Demo Airplane1	Demo123	Demo Airplane	10	5	3	2
Demo Airplane 2	Demo2789	Demo Airplane 2	10	5	3	2
Demo Airplane 3	Demo3156	Demo Airplane 3	10	5	3	2

5) Admin can add Airports in the Flight Reservation System.

All Airports			
Airport	Airport Location	Airport Code	Airport Address
Mumbai CST	Mumbai CST	CST	Demo Airport Address
Delhi	Delhi	DEL	Demo Aiport Address
Lucknow	Lucknow	LCK	Demo Airport Address
Demo Airport1	Demo Airport1	DM1	Demo Airport1 Address

6) Admin can view all Airports in the Flight Reservation System project.

All Airports			
Airport	Airport Location	Airport Code	Airport Address
Mumbai CST	Mumbai CST	CST	Demo Airport Address
Delhi	Delhi	DEL	Demo Aiport Address
Lucknow	Lucknow	LCK	Demo Airport Address
Demo Airport1	Demo Airport1	DM1	Demo Airport1 Address

7) Admin can add the Flights to the Airline reservation system project

After adding the Airports and airplanes in the system, the Admin can add the Flights by selecting the departure & arrival airports and by selecting the departure & arrival times Also Admin has to specify the Seat Fare for all the Flight Seat classes i.e. for the Economy, Business and First Class as shown below.

Add Flight

Airplane

Select Airplane

Departure Airport

Select Departure Airport

Arrival Airport

Select Arrival Airport

Flight Status

Select Status

Select Departure Time

dd-mm-yyyy --:--

Select Departure Time

dd-mm-yyyy --:--

Economy Seat Fare

Business Seat Fare

First Class Seat Fare

Add Flight

8) Admin can view all the Scheduled Flights

Scheduled Flights

Select Start Date

Select End Date

From Airport

To Airport

Search

dd-mm-yyyy

dd-mm-yyyy

Select Source Airport

Select Destination Airport

Flight Number	Airplane	Airplane Registration	Departure Time	Arrival Time	Source Airport	Destination Airport	Economy Fare (Rs.)	Business Fare (Rs.)	First Class Fare (Rs.)	Status	Action
04b11	Fast Airplane	FAST12345	9/10/2023, 6:00:00 PM	9/10/2023, 9:33:00 PM	Demo Airport1	Lucknow	3000	5000	10000	Scheduled	<div>Update Status</div> <div>Book Seat</div>
00835	Demo Airplane1	Demo123	9/11/2023, 6:00:00 PM	9/11/2023, 9:37:00 PM	Lucknow	Demo Airport1	2500	5000	8000	Scheduled	<div>Update Status</div> <div>Book Seat</div>
d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	3500	6000	10000	Scheduled	<div>Update Status</div> <div>Book Seat</div>
bcc7a	Fast Airplane	FAST12345	9/9/2023, 7:40:00 PM	9/9/2023, 9:40:00 PM	Mumbai CST	Delhi	3000	6000	10000	Scheduled	<div>Update Status</div> <div>Book Seat</div>

9) The admin can update the Flight Status in the Flight Reservation System.

In the above screenshot, we can see Admin gets an option of Update Flight Status button, after clicking on the Button, we'll be able to see the below form and here he will be able to see the complete details of the selected Flight and from the below drop down he can select the status from (Scheduled, On Time, Delayed, Cancelled & Completed) and after selecting he can click on the update flight status button to update the Flight status.

Update Flight

Airplane	Departure Airport
Fast Airplane	Demo Airport1
Arrival Airport	Flight Status
Lucknow	Scheduled
Departure Time	Arrival Time
9/10/2023, 6:00:00 PM	9/10/2023, 9:33:00 PM
Economy Seat Fare	Business Seat Fare
3000	5000
First Class Seat Fare	Flight Status
10000	Select Status

Update Flight Status

10) The admin can view all the flight bookings.

Admin can view all the Flight Bookings from all the customers and he can also download the ticket at any time as shown below.

Booked Flights															
Id	Passenger	Passenger	Flight	Airplane		Departure	Arrival	Source	Destination	Flight	Seat	Total	Booking	Status	Action
		Contact	Number	Airplane	Registration No.	Time	Time	Airport	Airport	Class	Fare (Rs.)	Passenger	Time		
a14bb6	Demo Customer 1	1234567890	00835	Demo Airplane1	Demo123	9/11/2023, 6:00:00 PM	9/11/2023, 9:37:00 PM	Lucknow	Demo Airport1	Business	5000	B-1	9/6/2023, 7:44:40 PM	Confirmed	Download Ticket
3040d5	Demo Customer 1	1234567890	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-1	9/6/2023, 7:45:20 PM	Confirmed	Download Ticket
aa4345	Demo Customer 1	1234567890	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-2	9/6/2023, 7:47:06 PM	Confirmed	Download Ticket
aa4345	Demo Customer 1	1234567890	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-3	9/6/2023, 7:47:06 PM	Confirmed	Download Ticket
a342d7	Demo Customer 1	1234567890	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	First Class	10000	F-1	9/6/2023, 7:44:54 PM	Cancelled	
a342d7	Demo Customer 1	1234567890	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	First Class	10000	F-2	9/6/2023, 7:44:54 PM	Confirmed	Download Ticket

Downloaded Flight Ticket in PDF Format

Flight Ticket Details

Flight Number: d7efb

Customer Booking Id: 4daa53ccd8a342d7

Flight Details

Airplane: Demo Airplane 2

Airplane Registration: Demo2789

Depature Airport: Lucknow

Arrival Airport: Delhi

Departure Time: 2023-09-12 19:38:00

Departure Time: 2023-09-12 22:38:00

Customer Details:

Customer Name: Demo Customer 1

Customer Mobile No: 1234567890

Booked Flight Seat Details

Flight Seat	Price	Booing Date	Status
F-1	10000.00	2023-09-06 19:44:54	Cancelled
F-2	10000.00	2023-09-06 19:44:54	Confirmed

CUSTOMER ROLE

1) Customer can see all the Scheduled Flight

Customers can view all the Scheduled flights and they can all search the flights by selecting the departure & arrival airports with the departure time as shown below.

Scheduled Flights

Select Start Date

dd-mm-yyyy

Select End Date

dd-mm-yyyy

From Airport

Select Source Airport

To Airport

Select Destination Airport

Search

Flight Number	Airplane	Airplane Registration	Departure Time	Arrival Time	Source Airport	Destination Airport	Economy Fare (Rs.)	Business Fare (Rs.)	First Class Fare (Rs.)	Status	Action
04b11	Fast Airplane	FAST12345	9/10/2023, 6:00:00 PM	9/10/2023, 9:33:00 PM	Demo Airport1	Lucknow	3000	5000	10000	Scheduled	Book Seat
00835	Demo Airplane1	Demo123	9/11/2023, 6:00:00 PM	9/11/2023, 9:37:00 PM	Lucknow	Demo Airport1	2500	5000	8000	Scheduled	Book Seat
d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	3500	6000	10000	Scheduled	Book Seat
bcc7a	Fast Airplane	FAST12345	9/9/2023, 7:40:00 PM	9/9/2023, 9:40:00 PM	Mumbai CST	Delhi	3000	6000	10000	Scheduled	Book Seat

2) Customers can book the Flights in the Airline Reservation System

In the above screenshot, we can see the customer has the option of Book Seat Button, after clicking on it, we will get redirected to the below page. Here customers will be able to see the complete information about the **Flight details**, **Airport Details**, **Airplane Details**, etc., and along with this customers will be able to see the Flight Seat status whether seats are **Available** or **Confirmed** by other customers as shown below.

Check Flight Ticket Availability

Flight Number:

00835

Airplane:

Demo Airplane1

Departure Airport:

Lucknow

Arrival Airport:

Demo Airport1

Departure Timing:

9/11/2023, 6:00:00 PM

Arrival Timing:

9/11/2023, 9:37:00 PM

Economy Seat Price (in Rs):

2500

Business Seat Price (in Rs):

5000

First Class Seat Price (in Rs):

8000

Flight Seats

Flight Seat	Booking Status
-------------	----------------

E-1	Available
-----	-----------

E-2	Available
-----	-----------

E-3	Available
-----	-----------

E-4	Available
-----	-----------

E-5	Available
-----	-----------

B-1	Confirmed
-----	-----------

B-2	Available
-----	-----------

B-3	Available
-----	-----------

F-1	Available
-----	-----------

F-2	Available
-----	-----------

On the above page, the below customer will get the option to book the ticket option, after clicking on it, they will get redirected to the below page and from the customer can add the number of passengers who will travel and select the Flight class type and he can click the Book Seat button for reservation.

If a sufficient amount is present in the customer's wallet, then it will be confirmed immediately.

Book Flight

Airplane

Demo Airplane1

Departure Airport

Lucknow

Arrival Airport

Demo Airport1

Flight Status

Scheduled

Departure Time

9/11/2023, 6:00:00 PM

Arrival Time

9/11/2023, 9:37:00 PM

Economy Seat Fare

2500

Business Seat Fare

5000

First Class Seat Fare

8000

Total Passenger

Flight Class type

Select Flight Class

Book Seat

3) Customers can view their Wallet.

Customers can add the money in Wallet and they see the available balance in the wallet as shown below.

My Wallet

Wallet Balance: Rs 12000

Add Money In Wallet

Amount

Update Wallet

4) Customers can view all their Flight Bookings.

Customers can view all Flight Bookings and also he can also **download** their **Flight tickets** from the Airline reservation system porta as shown below.

Booked Flights													
Booking Id	Flight Number	Airplane	Airplane Registration No.	Departure Time	Arrival Time	Source Airport	Destination Airport	Flight Class	Seat Fare (Rs.)	Seat No	Booking Time	Status	Action
05b3eeab88a14bb6	00835	Demo Airplane1	Demo123	9/11/2023, 6:00:00 PM	9/11/2023, 9:37:00 PM	Lucknow	Demo Airport1	Business	5000	B-1	9/6/2023, 7:44:40 PM	Confirmed	<div>Cancel Ticket</div> <div>Download Ticket</div>
e5bf58e5203040d5	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-1	9/6/2023, 7:45:20 PM	Confirmed	<div>Cancel Ticket</div> <div>Download Ticket</div>
95fcd92520ea4345	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-2	9/6/2023, 7:47:06 PM	Confirmed	<div>Cancel Ticket</div> <div>Download Ticket</div>
95fcd92520ea4345	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	Business	6000	B-3	9/6/2023, 7:47:06 PM	Confirmed	<div>Cancel Ticket</div> <div>Download Ticket</div>
4daa53ccd8a342d7	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	First Class	10000	F-1	9/6/2023, 7:44:54 PM	Cancelled	
4daa53ccd8a342d7	d7efb	Demo Airplane 2	Demo2789	9/12/2023, 7:38:00 PM	9/12/2023, 10:38:00 PM	Lucknow	Delhi	First Class	10000	F-2	9/6/2023, 7:44:54 PM	Confirmed	<div>Cancel Ticket</div> <div>Download</div>

Downloaded Flight Ticket in PDF Format

Flight Ticket Details

Flight Number: d7efb
Customer Booking Id: 4daa53ccd8a342d7

Flight Details

Airplane: Demo Airplane 2
Airplane Registration: Demo2789
Depature Airport: Lucknow
Arrival Airport: Delhi
Departure Time: 2023-09-12 19:38:00
Departure Time: 2023-09-12 22:38:00

Customer Details:

Customer Name: Demo Customer 1
Customer Mobile No: 1234567890

Booked Flight Seat Details

Flight Seat	Price	Booing Date	Status
F-1	10000.00	2023-09-06 19:44:54	Cancelled
F-2	10000.00	2023-09-06 19:44:54	Confirmed

7.REFERENCES:

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