

ADB Final Project Report

CRN: 21567

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Introduction

This project focuses on developing an **Airline Reservation System** with the goal of enhancing the efficiency and user-friendliness of the reservation process. The system's main purpose is to simplify the airline flight and passenger details management process for customers while providing comprehensive administrative tools for managing flight details.

Project Objectives:

The primary project objectives for the Airline Reservation System are:

1. Simple User Registration

- a. This project includes Registration of users into the website. Users can give their details and register into website and use the same details to login again into website.
- b. This project should be able to register the Admin users, already existing admin can add them into admin users database

2. Adding New Flights For booking

- a. This project will include the flexibility of adding or removing the flight to be available for the users for booking.
- b. We will include the flight timings and capacity and price details also. All these details can only be editable by the admin users. Admin users can only have privileges to add or delete the flight details.

3. Ticket Booking and Billing Information

- a. This project gives users the chance to book flights their need. They can give the source and destination and date of travel and they will be given the option of flights available.
- b. users have to pay the bill for different Passangers

Index Page: <http://127.0.0.1:5000/>

- Login page for Users : username and password should be given in order to login to page.
- Registration Page for Users : Takes Information from user.
- Login Page for Admin : username and password should be given in order to login to page.

Flight Booking Page: <http://127.0.0.1:5000/home/?id=1>

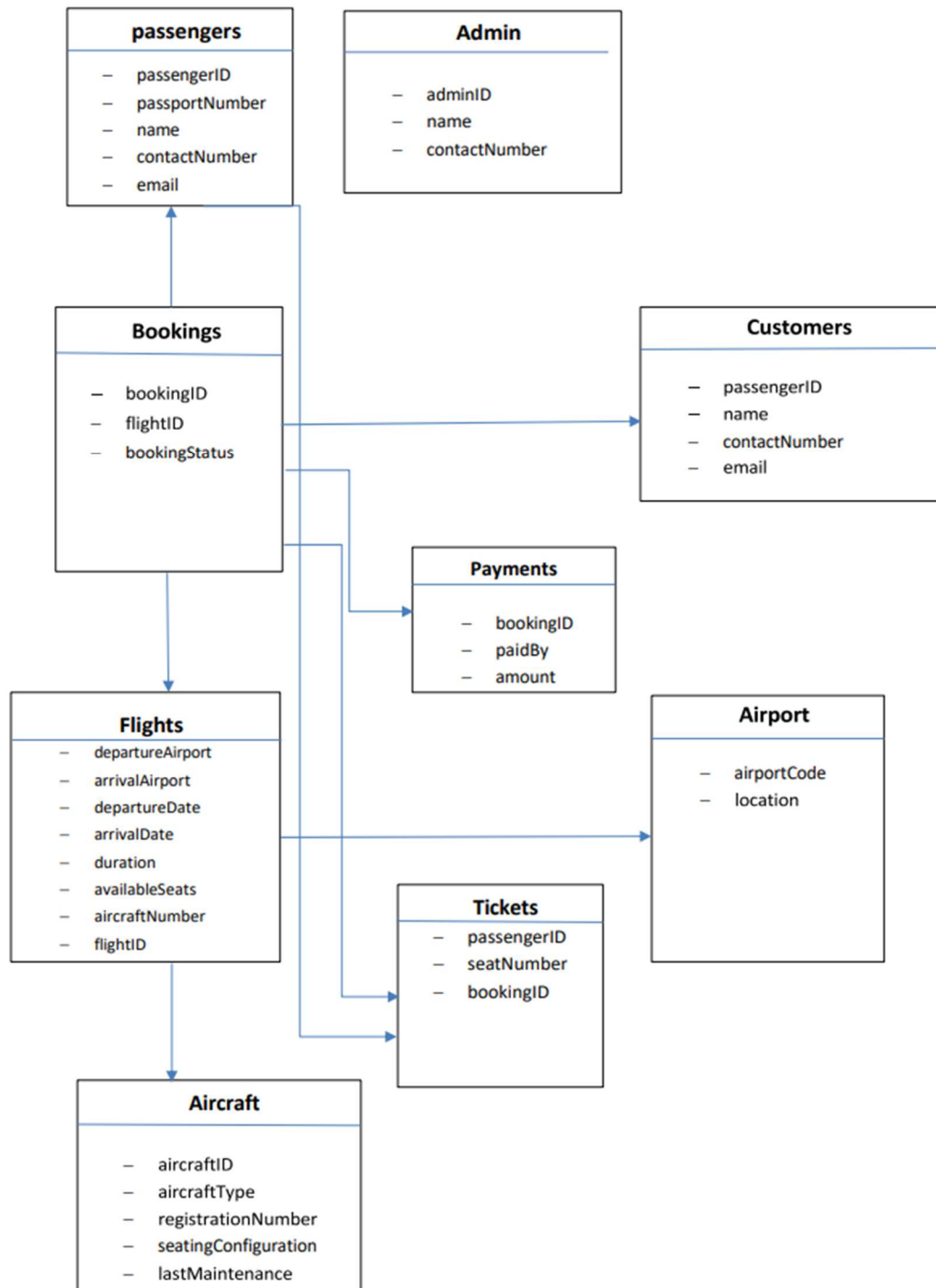
- Id in the url contains the user id of the user who logged in
- In this page user can search flights and filter the flights accordingly and select flights and seats and in this page it will generate tickets

Admin Page: <http://127.0.0.1:5000/admin/>

- Add Flights : Admin can Add flight for the available Aircrafts and between the available airports
- Add Airports : Admin can Add airport
- Add Aircraft : Admin can Add Aircraft

Database Schema :

Schema of Database





Register

First Name:*

Last Name:*

Email:*

Phone:*

City:*

If User doesn't have account user have to Register

Airline Management System

Admin User

User Login

Username:

Password:

didn't have account? [create one](#)

Once user is registered he have to login by clicking on User Tab

ASMA Travels

LogOut

From

Kansas City Internationa

To

John F. Kennedy Interna

Departure Date

05-07-2024

Passengers

2

Search Flights

Filters

Departure Time

☐ Before 6AM

☐ 6AM - 12PM

☐ 12PM - 6PM

☐ After 6PM

Arrival Time

Departure: 05-07-2024

Return: 05-07-2024

4:00 AM Kansas (MCI)

2H 0M

6:00 AM Newyork (JFK)

\$200

Book Now

Once User Click login he will land in Search Flight page he can search filter and book flight of his wish

ASMA Travels

LogOut

Select Seats

A1

B1

C1

A2

B2

C2

A3

B3

C3

A4

B4

C4

A5

B5

C5

A6

B6

C6

D1

E1

F1

D2

E2

F2

D3

E3

F3

D4

E4

F4

D5

E5

F5

D6

E6

F6

G1

H1

I1

G2

H2

I2

G3

H3

I3

G4

H4

I4

G5

H5

I5

G6

H6

I6

User can select Seats of his wish

LogOut

Passenger1

Name :

Passenger 1

Passport :

pxp00001

Phone :

6785867890

Email :

pxp@gmail.com

Passenger2

Name :

Passenger 2

Passport :

qxq0002

Phone :

9089076843

Email :

qxq@gmail.com

Book

Back

Once we select seats for the passengers we have then we have to fill their information

Amount : 437.2

Full Name:

Email Address:

Phone Number:

Credit Card Number:

Expiry Date:

MM/YYYY

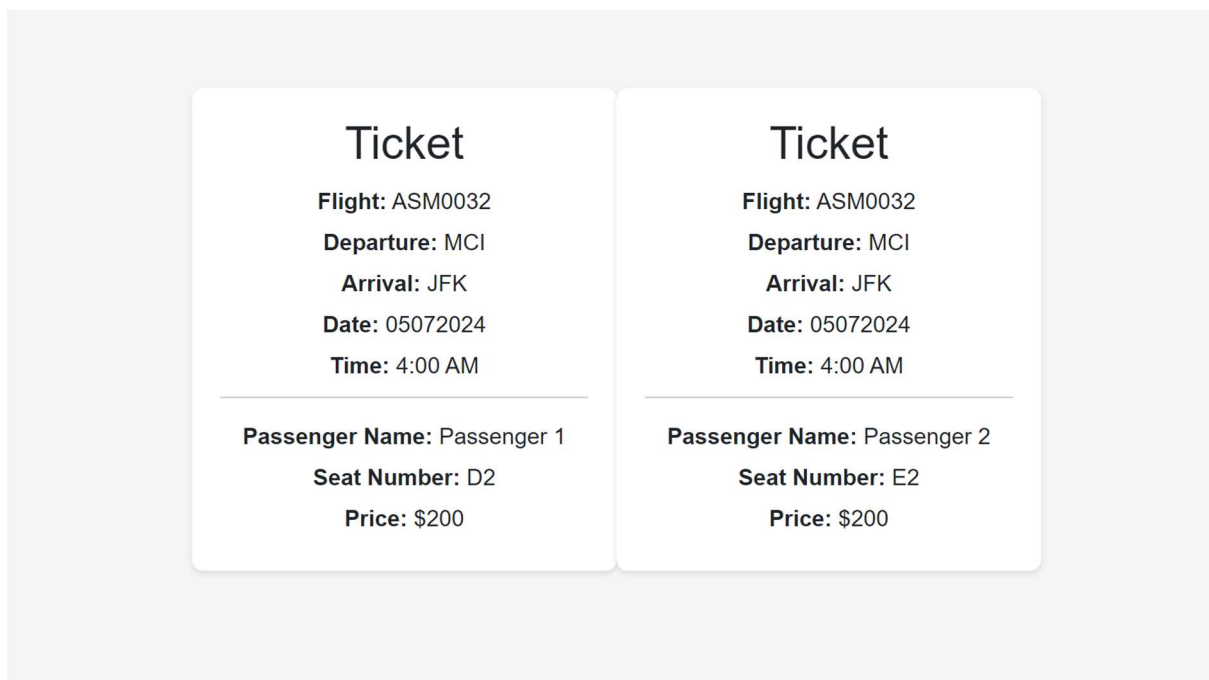
CVV:

Billing Address:

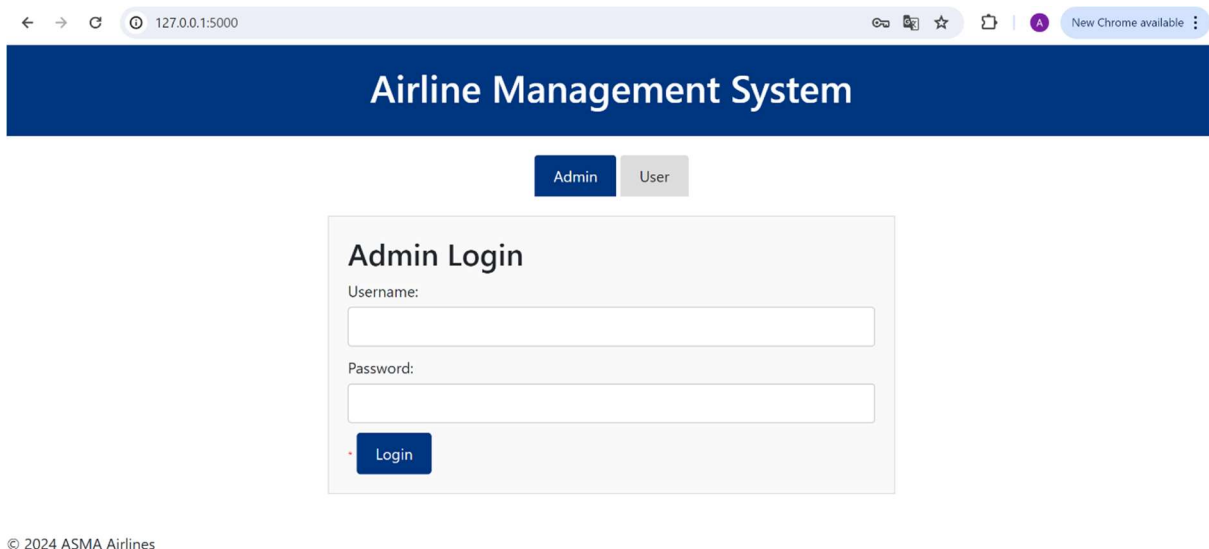
☐ I accept the terms and conditions

Pay Now

Once user gave all appropriate information he have to fill billing information through which he will pay bill



Once Payment Confirmed Tickets will be generated.



Admin should have to click on Admin Tab the his Login form will open he have to fill it and login

ASMA Travels

The screenshot shows the 'Add Aircraft Form' in the ASMA Travels application. On the left, a sidebar contains three buttons: 'Add Flight', 'Add Aircraft', and 'Add Airport'. The main area is titled 'Add Aircraft Form' and contains the following fields:

- Aircraft Type: A dropdown menu with 'Boeing' selected.
- Registration Number: A text input field with a red asterisk below it.
- Seating: A text input field with a red asterisk below it.
- Last Maintenance: A date input field with a calendar icon and a red asterisk below it.

Admin can Add Aircraft to Database once he login using Admin Login Page And click on Add Aircraft

ASMA Travels

The screenshot shows the 'Add Airport Form' in the ASMA Travels application. On the left, a sidebar contains three buttons: 'Add Flight', 'Add Aircraft', and 'Add Airport'. The main area is titled 'Add Airport Form' and contains the following fields:

- Airport Code: A text input field with a red asterisk below it.
- Location: A text input field with a red asterisk below it.
- Airport Name: A text input field with a red asterisk below it.
- Timezone: A text input field with a red asterisk below it.

Admin can Add Airport when click on Add Airport

ASMA Travels

Add Flight

Add Aircraft

Add Airport

Add Flight Form

Departure Airport:

Arrival Airport:

Departure Date:

03

00

PM

Arrival Date:

07

00

PM

Admin can Add Flight when click on Add Flight