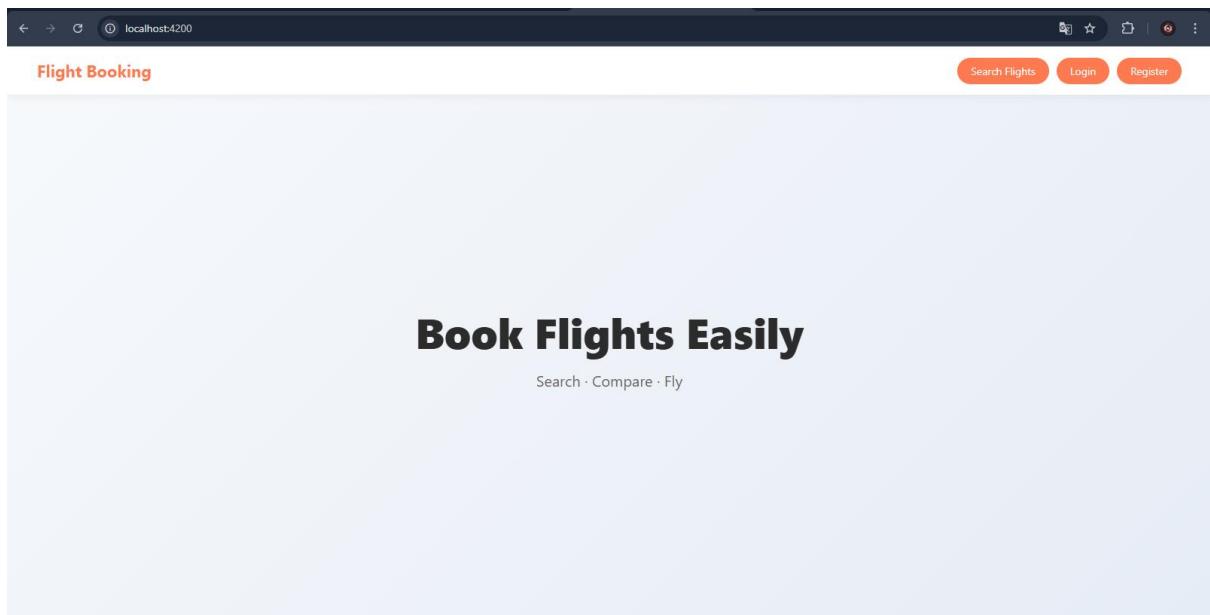


Home page :



Search is public, can search without login/register

ADMIN

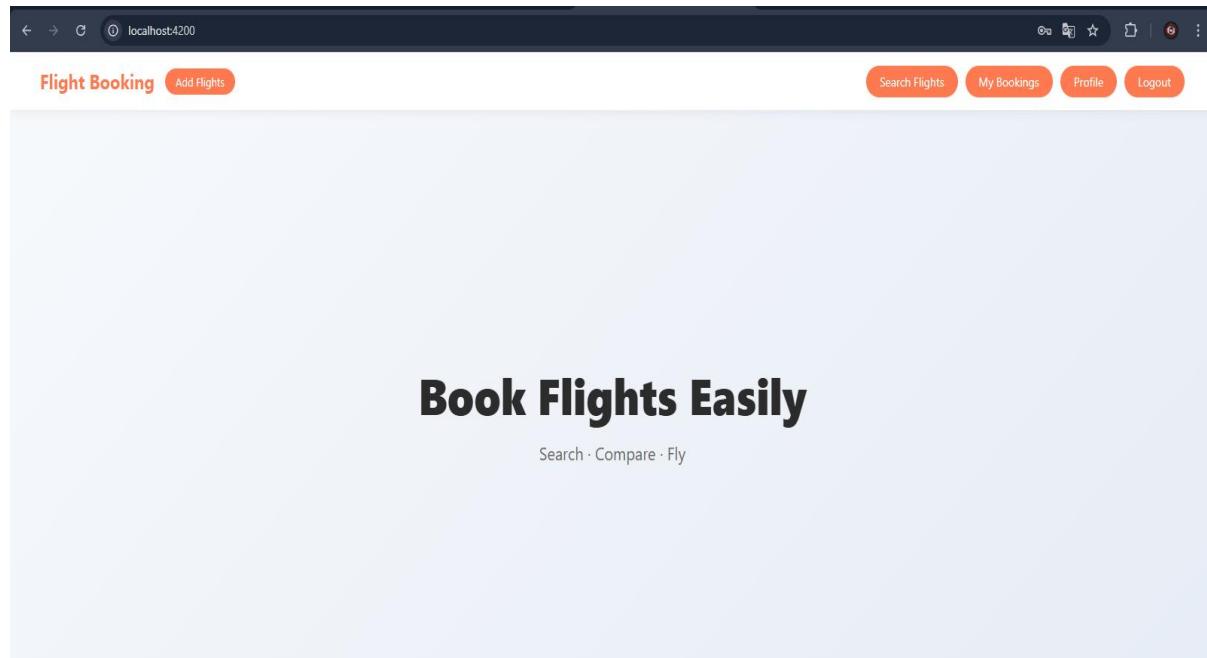
Login :

Trying to Login using invalid details:

A screenshot of a login form. The title 'Login' is centered at the top in a red font. Below it is a 'Email' label followed by an input field containing 'admin06@gmail.com'. Underneath is a 'Password' label followed by an input field containing '.....'. At the bottom is a large orange 'Login' button. Below the button, a red error message reads 'Invalid email or password'.

After successful login :

Add Flight is available only for admin:

A screenshot of the 'Add Flight' form. The title 'Add Flight' is centered at the top. The form consists of several input fields: 'Airline Name' (Air India), 'Flight Number' (6E145), 'From' (Delhi), 'To' (Hyderabad), 'Departure Time' (30-12-2025 03:29), 'Arrival Time' (30-12-2025 04:29), 'Price (One Way)' (2000), 'Total Seats' (100), and 'Trip Type' (ONE WAY). At the bottom is a large orange button labeled 'Add Flight'.

Flight added successfully

Add Flight

Airline Name	Flight Number
Air India	6E145
From	To
Delhi	Hyderabad
Departure Time	Arrival Time
30-12-2025 03:29	30-12-2025 04:29
Price (One Way)	Total Seats
2000	100
Trip Type	
ONE WAY	
Add Flight	

Flight added successfully

Flight details in db

```
▶ _id: ObjectId('69486de9f46d93051ef1429a')
fromPlace : "Delhi"
toPlace : "Hyderabad"
departureTime : 2025-12-29T21:59:00.000+00:00
arrivalTime : 2025-12-29T22:59:00.000+00:00
tripType : "ONE WAY"
priceOneWay : 2000
totalSeats : 100
availableSeats : 100
airlineId : "69479cdf6ba82d5061b8c5cf"
airlineName : "Air India"
version : 0
_class : "com.flightapp.flight.entity.Flight"
```

Profile of admin:

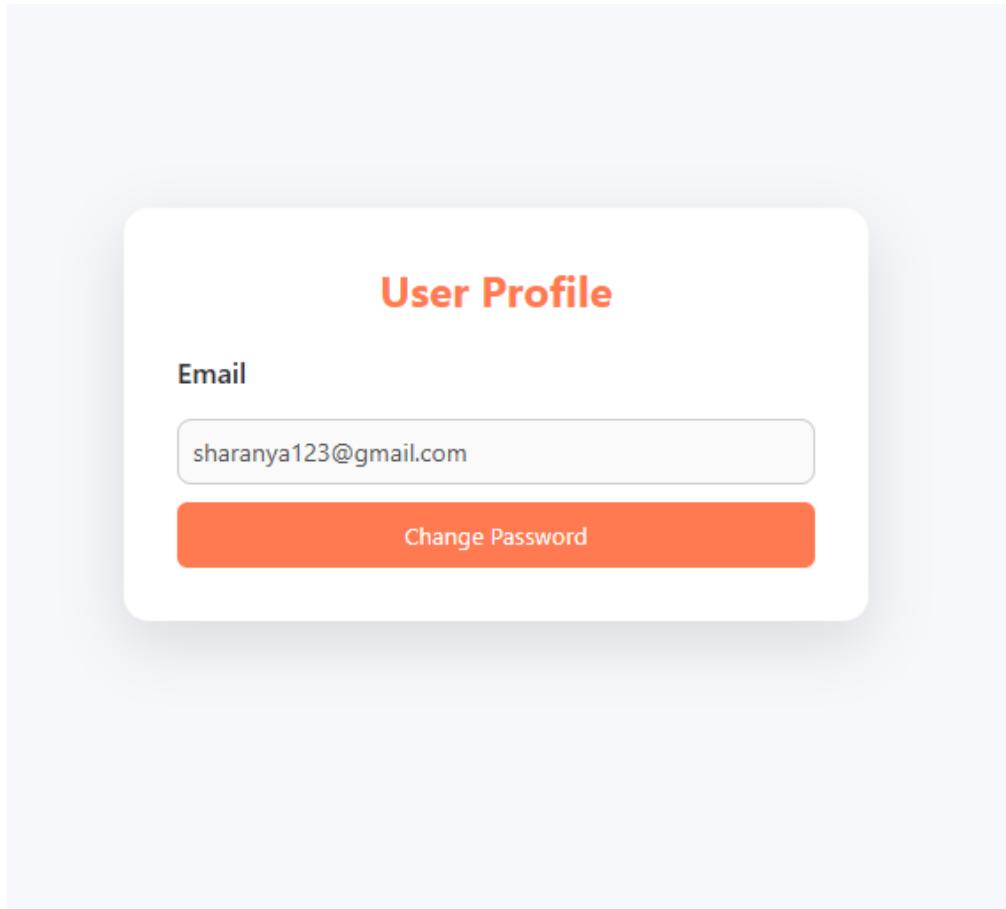
The screenshot shows a web browser window for 'Flight Booking'. At the top, there is a navigation bar with links: 'Search Flights', 'My Bookings', 'Profile', and 'Logout'. Below the navigation bar, a modal window titled 'User Profile' is displayed. It contains a single input field labeled 'Email' with the value 'admin06@gmail.com'. A red 'Change Password' button is located at the bottom of the modal.

USER:

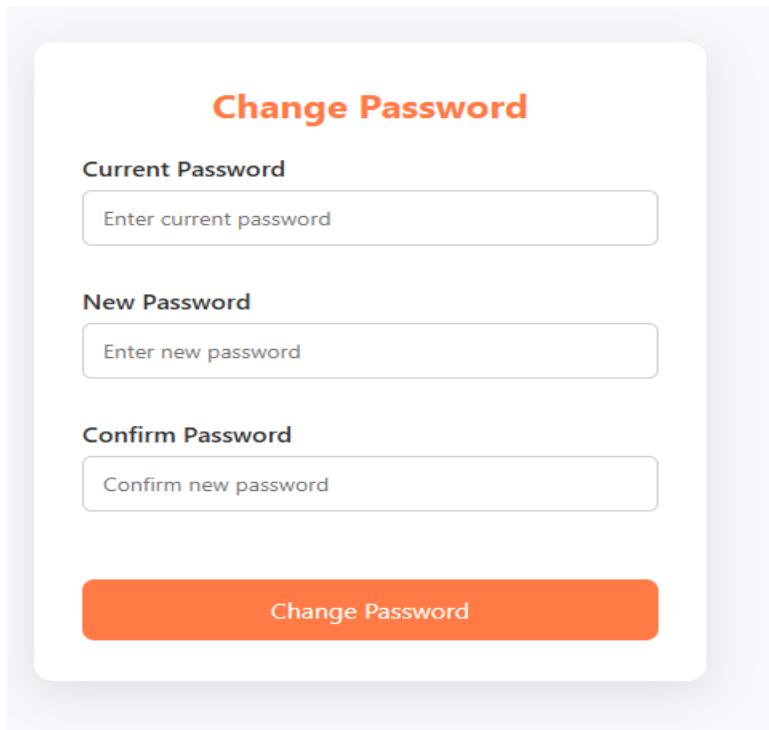
add fights is not available

The screenshot shows a web browser window for 'Flight Booking' with the URL 'localhost:4200' in the address bar. The page features a dark header with the title 'Flight Booking' and a navigation bar with 'Search Flights', 'My Bookings', 'Profile', and 'Logout' links. The main content area has a light blue background and displays the text 'Book Flights Easily' in large bold letters, followed by 'Search · Compare · Fly' in smaller text. A prominent red message box in the center states 'add fights is not available'.

Profile:



Change password:



Validations:

Change Password

Current Password

Enter current password

Current password is required

New Password

Enter new password

Password must be strong (uppercase, lowercase, number, special char)

Confirm Password

Confirm new password

Change Password

Change Password

Current Password

.....

New Password

Enter new password

Password must be strong (uppercase, lowercase, number, special char)

Confirm Password

Confirm new password

Please fill all fields correctly.

Change Password

Change Password

Current Password

New Password

Confirm Password

New password and confirm password do not match.

Change Password

After successfully changing the password:

Change Password

Current Password

Enter current password

New Password

Enter new password

Confirm Password

Confirm new password

Password changed successfully!

Change Password

Search:

Search Flights

From

To

Journey Date

 dd-mm-yyyy

Trip Type

Select

Search

Search Flights

From

 Hyderabad

To

 Chennai

Journey Date

 31-12-2025

Trip Type

Select

Search

Available flights

Airline	From	To	Departure	Arrival	Price	Seats	Booking
Air India	Hyderabad	Chennai	12/31/25, 10:00 AM	12/31/25, 11:00 AM	₹ 5500	180	<button>Book</button>

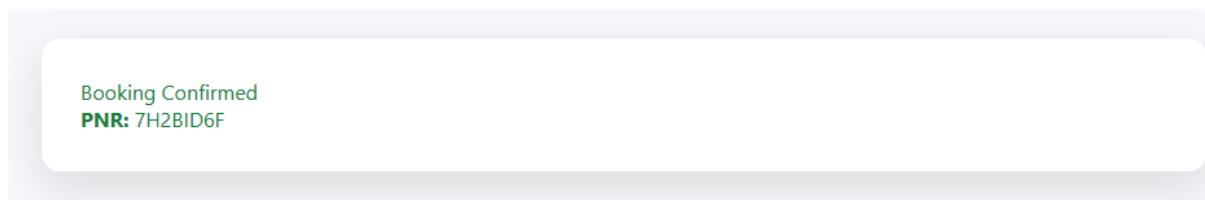
CALENDAR▼

Passenger Details

▼

Confirm Booking

Booking confirm message:



Booking details in DataBase:

```
_id: ObjectId('694879e098cc7248bf8fdbca')
pnr : "7H2BID6F"
customerName : "Sravya"
email : "sharanya123@gmail.com"
numberOfSeats : 1
seatNumbers : "11"
mealPreference : "VEG"
cancelled : false
journeyDate : 2025-12-30T18:30:00.000+00:00
bookingTime : 2025-12-21T22:51:12.276+00:00
flightId : "69487467f46d93051ef1429d"
▶ passengers : Array (1)
  _class : "com.flightapp.booking.entity.Booking"
```

Booking History :

In my bookings

Airline	Flight Details	PNR	Status
Air India	Hyderabad → Chennai 10:00 AM - 11:00 AM	7H2BID6F	ACTIVE
Indigo	Hyderabad → Delhi 9:30 AM - 11:00 AM	003ACRWG	CANCELLED
Indigo	Chennai → Delhi 10:00 AM - 11:00 AM	4P9YGE7X	CANCELLED
Indigo	Chennai → Delhi 10:00 AM - 11:00 AM	B743GP1B	CANCELLED
Indigo	Hyderabad → Delhi 9:30 AM - 11:00 AM	CSQSWGJV	CANCELLED

Cancel:

Able to cancel by clicking on cancel

Air India
Hyderabad → Chennai
10:00 AM - 11:00 AM

PNR: **7H2BID6F**
Seats: 1
Meal: VEG
Seats: 11

ACTIVE Cancel

After successful cancellation the status changes:

Air India
Hyderabad → Chennai
10:00 AM - 11:00 AM

PNR: **7H2BID6F**
Seats: 1
Meal: VEG
Seats: 11

CANCELLED

Cancelation details in Database:

Cancelled: true

```
▶ _id: ObjectId('694879e098cc7248bf8fdbca')
  pnr : "7H2BID6F"
  customerName : "Sravya"
  email : "sharanya123@gmail.com"
  numberofSeats : 1
  seatNumbers : "11"
  mealPreference : "VEG"
  cancelled : true
  journeyDate : 2025-12-30T18:30:00.000+00:00
  bookingTime : 2025-12-21T22:51:12.276+00:00
  flightId : "69487467f46d93051ef1429d"
  ▶ passengers : Array (1)
    _class : "com.flighthub.booking.entity.Booking"
```

Docker:

```
C:\flightApp-microservices-security-docker>docker compose up -d
time="2025-12-22T04:38:51+05:30" level=warning msg="C:\\\\flightApp-microservices-security-docker\\\\docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 8/8
✓ Container eureka      Started          0.7s
✓ Container mongo        Started          0.7s
✓ Container rabbitmq     Started          0.7s
✓ Container config-server Started          0.3s
✓ Container flight-service Started          0.3s
✓ Container booking-service Started          0.4s
✓ Container auth-service  Started          0.4s
✓ Container api-gateway   Started          0.6s

C:\flightApp-microservices-security-docker>docker ps
```

Images:

<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	flightapp-microservices-security-docker-e	latest	667cac9fbdb8a	7 days ago	513.48 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	flightapp-microservices-security-docker-e	latest	4ff821c748d0	7 days ago	514.53 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	flightapp-microservices-security-docker-e	latest	541e25a34e1e	7 days ago	504.41 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	flightapp-microservices-security-docker-t	latest	b59536c1dca3	13 days ago	526.3 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	flightapp-microservices-security-docker-f	latest	d254d31f9810	13 days ago	513.1 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	flightapp-microservices-security-docker-c	latest	d60f519a97c9	13 days ago	509.17 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	rabbitmq	3-management	e582c0bc7766	20 days ago	388.62 MB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>
<input type="checkbox"/>	mongo	6	0a83b2f824b2	3 months ago	1.04 GB	<input type="button" value="▶"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>

Container:

Search		<input type="checkbox"/>	Only show running containers				
<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	flightapp-microservices-security-docker-e	-	-	-	2.32%	2 hours ago	<input type="button" value="⠼"/> <input type="button" value="⋮"/> <input type="button" value="⠼"/>

Eureka server:

The screenshot shows the Eureka server interface at localhost:8761. At the top, there are two status indicators: 'Renews threshold' set to 10 and 'Renews (last min)' set to 20. Below this is a section titled 'DS Replicas' with a single entry for 'localhost'. Under 'Instances currently registered with Eureka', a table lists five microservices: API-GATEWAY-FLIGHTBOOKING, AUTH-SERVICE-FLIGHTBOOKING, BOOKING-SERVICE-FLIGHTBOOKING, CONFIG-SERVER-FLIGHTBOOKING, and FLIGHT-SERVICE-FLIGHTBOOKING. Each entry shows 'UP (1)' status followed by a green hyperlinked URL. At the bottom, there is a 'General Info' section.

Application	AMIs	Availability Zones	Status
API-GATEWAY-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - bbda8b519451.api-gateway-flightbooking:8084
AUTH-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 56f373a48549.auth-service-flightbooking:8083
BOOKING-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 4bbf16f20eee.booking-service-flightbooking:8082
CONFIG-SERVER-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - 710035f455b9.config-server-flightbooking:8888
FLIGHT-SERVICE-FLIGHTBOOKING	n/a (1)	(1)	UP (1) - d1fe39d5e191.flight-service-flightbooking:8081

- Optimised DockerFile :

```
1 FROM eclipse-temurin:21-jre
2
3 WORKDIR /app
4
5 COPY target/auth-service-flightbooking-0.0.1-SNAPSHOT.jar app.jar
6
7 EXPOSE 8084
8
9 ENTRYPOINT ["java","-jar","app.jar"]
10
11
```

- Added two application files for every microservice:

```
> src/main/java
  < src/main/resources
    application.properties
    application-docker.properties
\ src/test/java
```