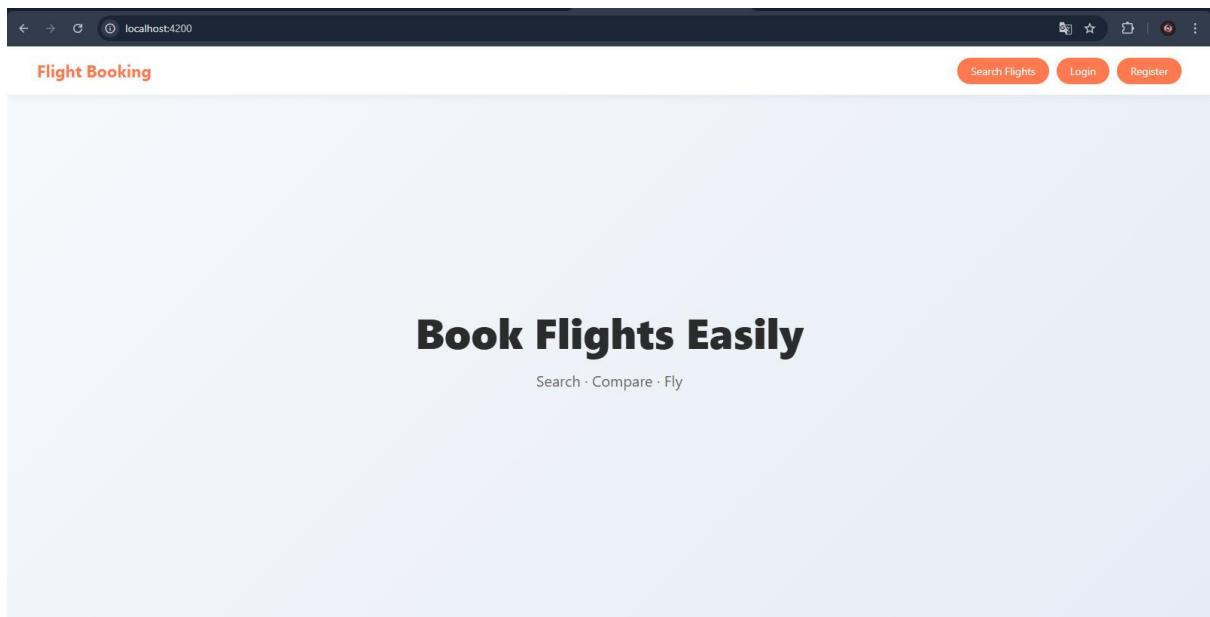


Home page :



Search is public, can search without login/register

ADMIN

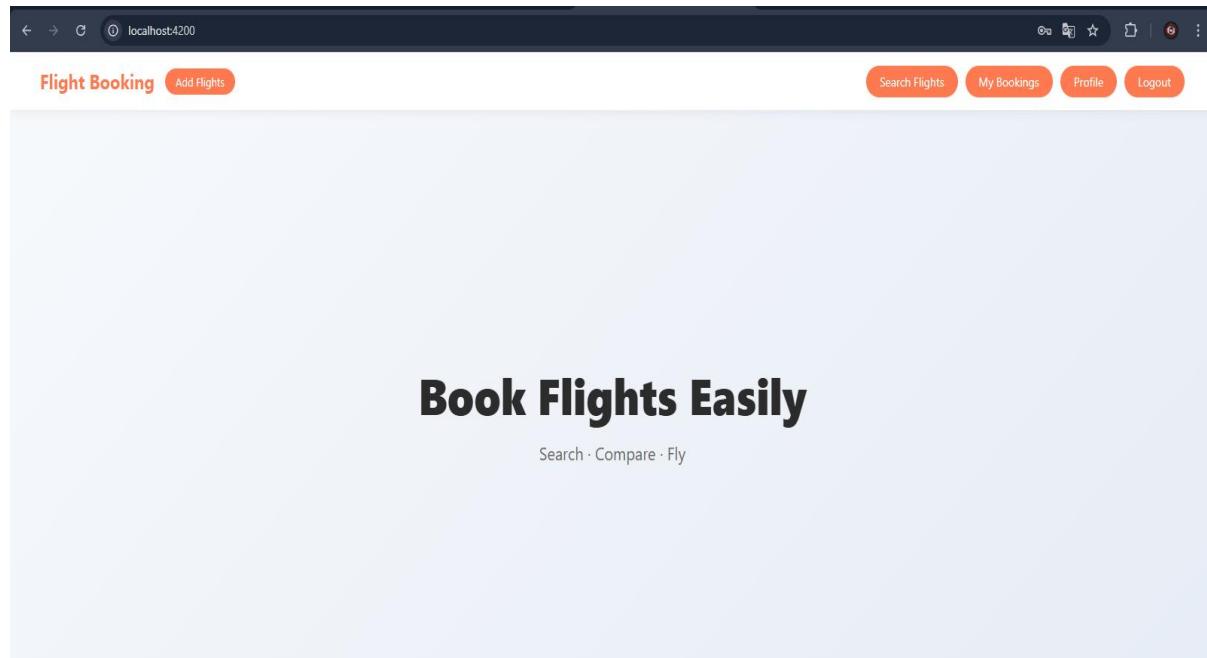
Login :

Trying to Login using invalid details:

A screenshot of a login form. The title 'Login' is centered at the top in red. Below it is a 'Email' label with a text input field containing 'admin06@gmail.com'. Below that is a 'Password' label with a text 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:

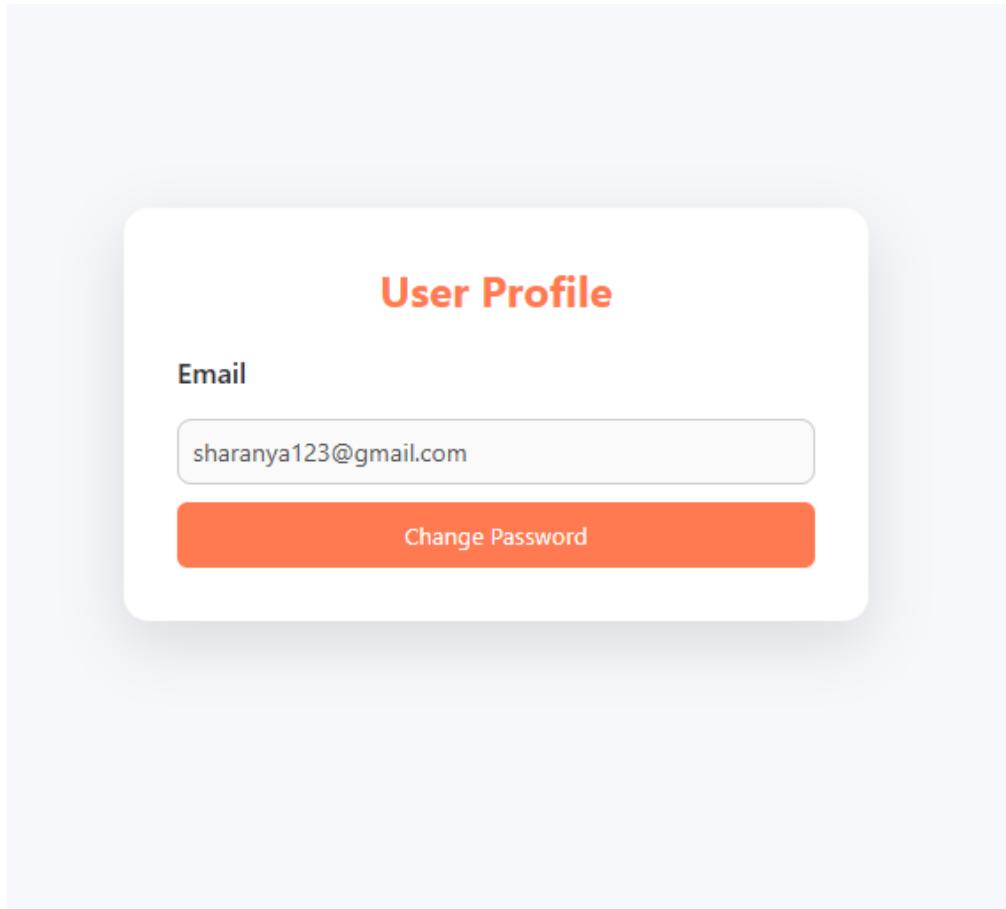
The screenshot shows a web browser window for 'Flight Booking'. At the top, there are navigation links: 'Flight Booking' (highlighted in red), 'Add Flights', 'Search Flights', 'My Bookings', 'Profile', and 'Logout'. The main content area is titled 'User Profile' and contains a form with an 'Email' field containing 'admin06@gmail.com' and a 'Change Password' button.

USER:

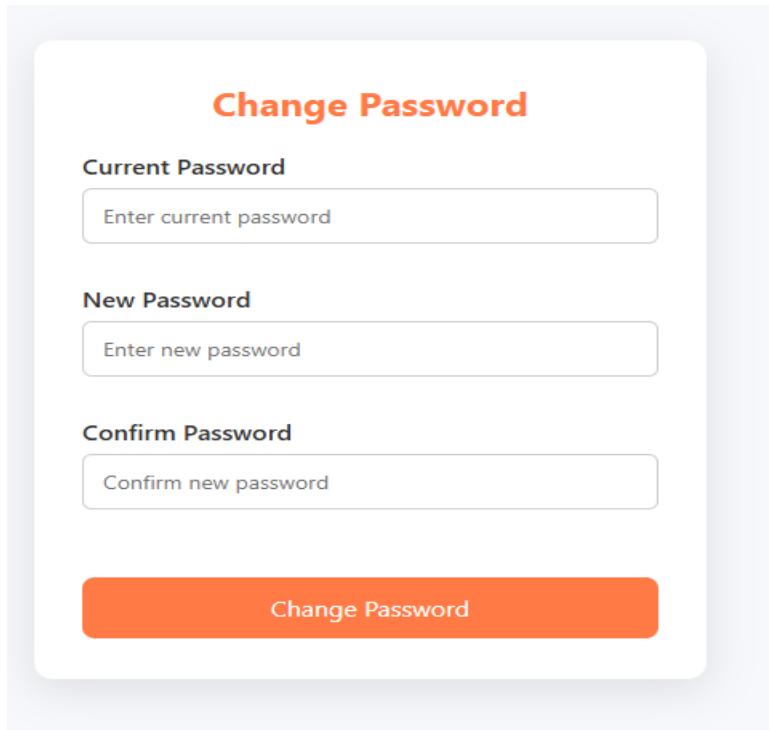
add fights is not available

The screenshot shows a web browser window for 'Flight Booking' on 'localhost:4200'. The address bar shows the URL. The page features a large central heading 'Book Flights Easily' and the tagline 'Search · Compare · Fly'. Above the heading, there is a message: '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

Change password -postman:

User login :

The screenshot shows a Postman request to `http://localhost:8084/api/auth/login`. The request method is POST, and the body is a JSON object with email and password fields. The response status is 200 OK, and the response body contains a token, username, email, and roles.

```
POST http://localhost:8084/api/auth/login
```

```
1 {
2   "email": "ramesh@gmail.com",
3   "password": "Changed@7052"
4 }
```

```
200 OK 545 ms 735 B
```

```
{}
token: eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJyYW1lc2hAZ21haWwuY29tIiwidXNlcm5hbWUiOiJyYW1lc2giLCJyb2xlcyI6WyJVU0VSIloImIhdCI6MTc2NjM00TM1OCwiZXhwIjoxNzY2NDM1NzU4fQ.WBWhwb18eUmtjX5uxQx6BmYwfzfooSxjeOr8PR9CIBoU,
username: "ramesh",
email: "ramesh@gmail.com",
roles: [
  "USER"
]
```

Token generated here is used as authorization for change password

Api-gateway-8084

`http://localhost:8084/api/auth/change-password`

The screenshot shows a Postman request to `http://localhost:8084/api/auth/change-password`. The request includes an Authorization header with a JWT token. The Headers section shows several checked headers: Accept, Accept-Encoding, Connection, Content-Type, and Authorization.

```
POST http://localhost:8084/api/auth/change-password
```

Key	Type	Description
Accept	*	
Accept-Encoding	gzip, deflate, br	
Connection	keep-alive	
Content-Type	application/json	
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJyYW1lc2giLCJyb2xlcyI6WyJVU0VSIloImIhdCI6MTc2NjM00TM1OCwiZXhwIjoxNzY2NDM1NzU4fQ.WBWhwb18eUmtjX5uxQx6BmYwfzfooSxjeOr8PR9CIBoU...	Type

Password changed successfully

A screenshot of a browser-based developer tool showing a POST request to `http://localhost:8084/api/auth/change-password`. The request body is a JSON object:

```
1 {  
2   "oldPassword": "sravya7052",  
3   "newPassword": "Changed@7052",  
4   "confirmPassword": "Changed@7052"  
5 }
```

The response status is 200 OK, with a response body containing:

```
1 {  
2   "message": "Password changed successfully"  
3 }
```

Search:

Search Flights

From

To

Journey Date (calendar icon)

Trip Type

Search Flights

From

To

Journey Date

 CALENDAR

Trip Type

 DROPDOWN

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	Book

Sravya

sharanya123@gmail.com

1

31-12-2025

11

VEG

Passenger Details

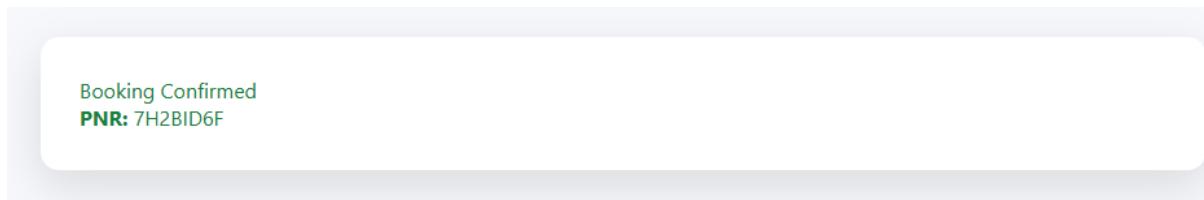
sravya

Female

21

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	Route	Date	PNR	Seats	Meal	Status
Air India	Hyderabad → Chennai	10:00 AM - 11:00 AM	7H2BID6F	1	VEG	ACTIVE
Indigo	Hyderabad → Delhi	9:30 AM - 11:00 AM	003ACRWG	1	VEG	CANCELLED
Indigo	Chennai → Delhi	10:00 AM - 11:00 AM	4P9YGE7X	1	VEG	CANCELLED
Indigo	Chennai → Delhi	10:00 AM - 11:00 AM	B743GP1B	1	VEG	CANCELLED
Indigo	Hyderabad → Delhi	9:30 AM - 11:00 AM	CSQSWGJV	1	VEG	CANCELLED

Cancel:

Able to cancel by clicking on cancel

Airline	Route	Date	PNR	Seats	Meal	Status
Air India	Hyderabad → Chennai	10:00 AM - 11:00 AM	7H2BID6F	1	VEG	ACTIVE

After successful cancellation the status changes:

My Bookings

Air India	PNR: 7H2BID6F	CANCELLED
Hyderabad → Chennai	Seats: 1	
10:00 AM - 11:00 AM	Meal: VEG	

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.flighthapp.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:

	Name	Tag	Image ID	Created	Size	Actions
□	flightapp-microservices-security-docker-e	latest	667cac9fdb8a	7 days ago	513.48 MB	▶ ⋮ trash
□	flightapp-microservices-security-docker-e	latest	4ff821c748d0	7 days ago	514.53 MB	▶ ⋮ trash
□	flightapp-microservices-security-docker-e	latest	541e25a34e1e	7 days ago	504.41 MB	▶ ⋮ trash
□	flightapp-microservices-security-docker-f	latest	b59536c1dca3	13 days ago	526.3 MB	▶ ⋮ trash
□	flightapp-microservices-security-docker-f	latest	d254d31f9810	13 days ago	513.1 MB	▶ ⋮ trash
□	flightapp-microservices-security-docker-f	latest	d60f519a97c9	13 days ago	509.17 MB	▶ ⋮ trash
□	rabbitmq	3-management	e582c0bc7766	20 days ago	388.62 MB	▶ ⋮ trash
□	mongo	6	0a83b2f824b2	3 months ago	1.04 GB	▶ ⋮ trash

Container:

Search		Only show running containers					
	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
□	flightapp-microservices-security-docker-e	-	-	-	2.32%	2 hours ago	▶ ⋮ trash

Eureka server:

The screenshot shows the Eureka server interface at localhost:8761. At the top, there are configuration settings for renewing leases: 'Renews threshold' set to 10 and 'Renews (last min)' set to 20. Below this is a section titled 'DS Replicas' which lists a single instance: 'localhost'. Under 'Instances currently registered with Eureka', there is a table showing five service instances: API-GATEWAY-FLIGHTBOOKING, AUTH-SERVICE-FLIGHTBOOKING, BOOKING-SERVICE-FLIGHTBOOKING, CONFIG-SERVER-FLIGHTBOOKING, and FLIGHT-SERVICE-FLIGHTBOOKING. Each instance is marked as 'UP (1)'. 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
```