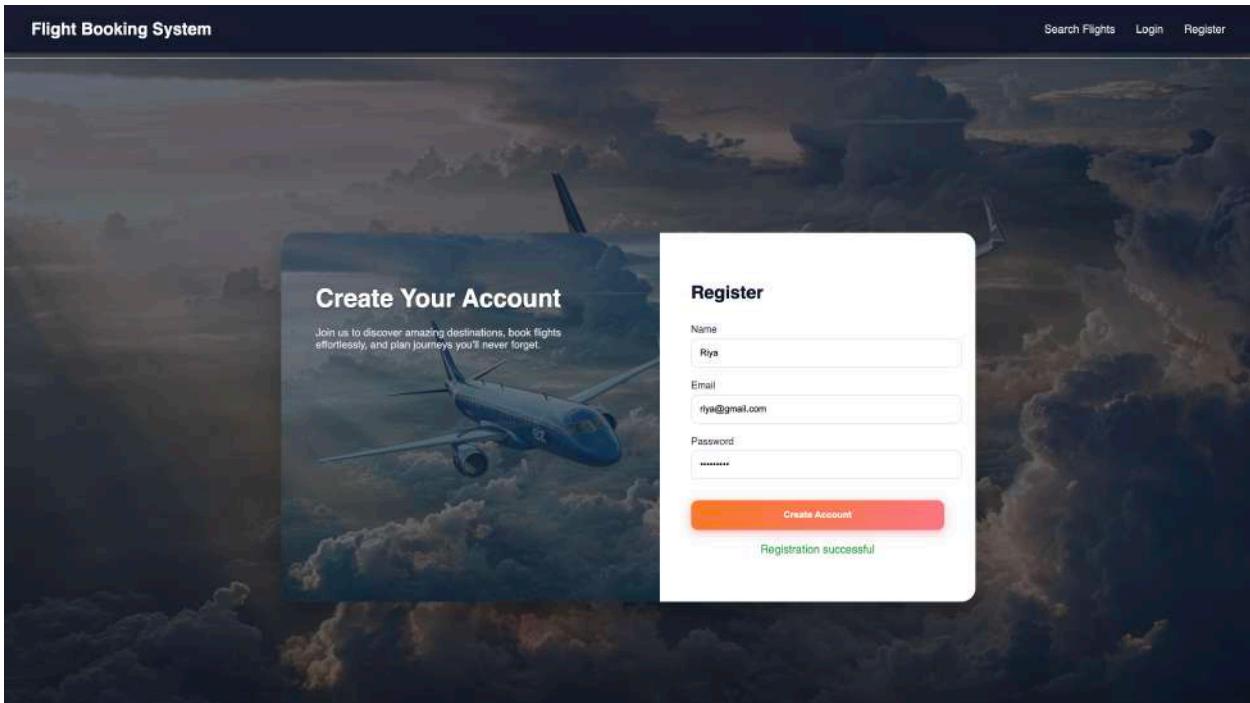
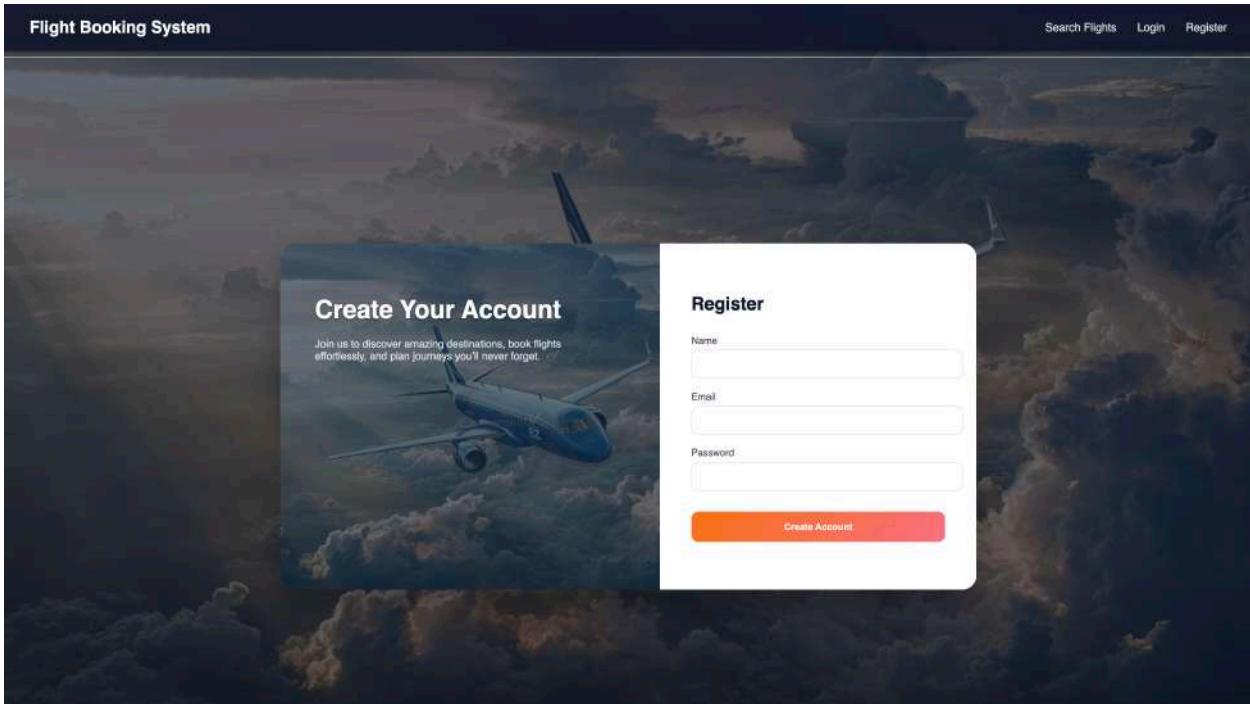
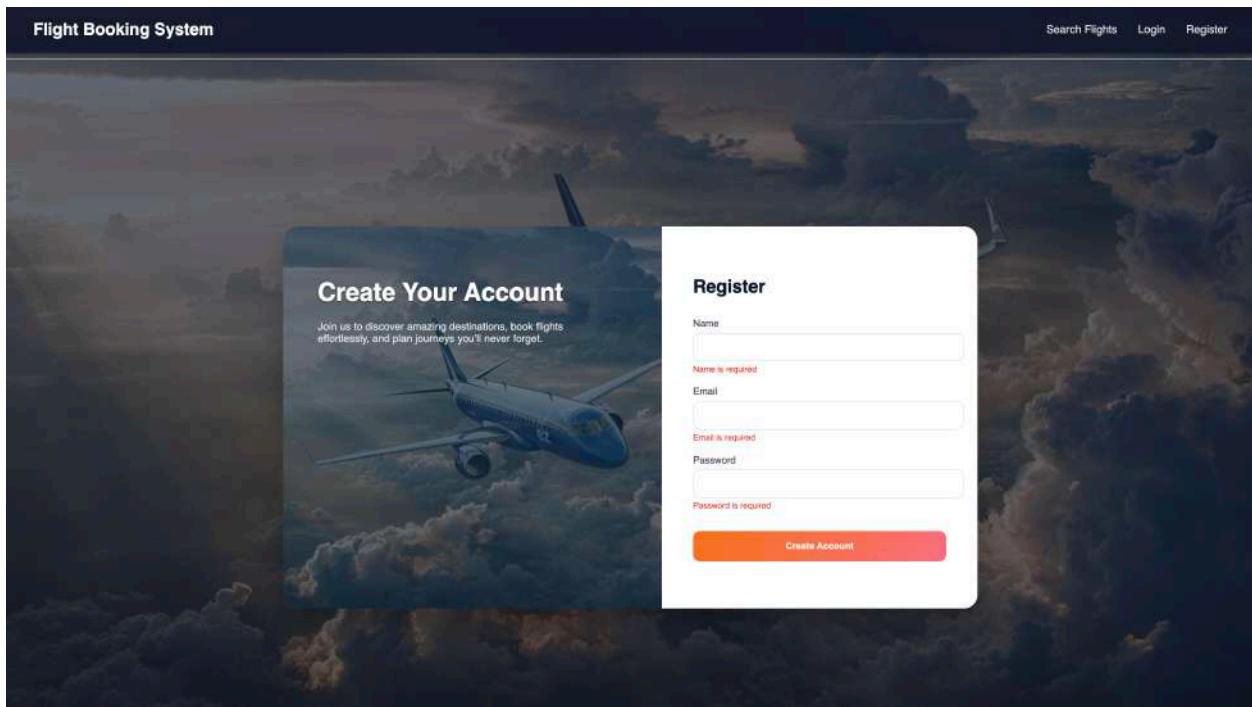


Flight Booking System-UI

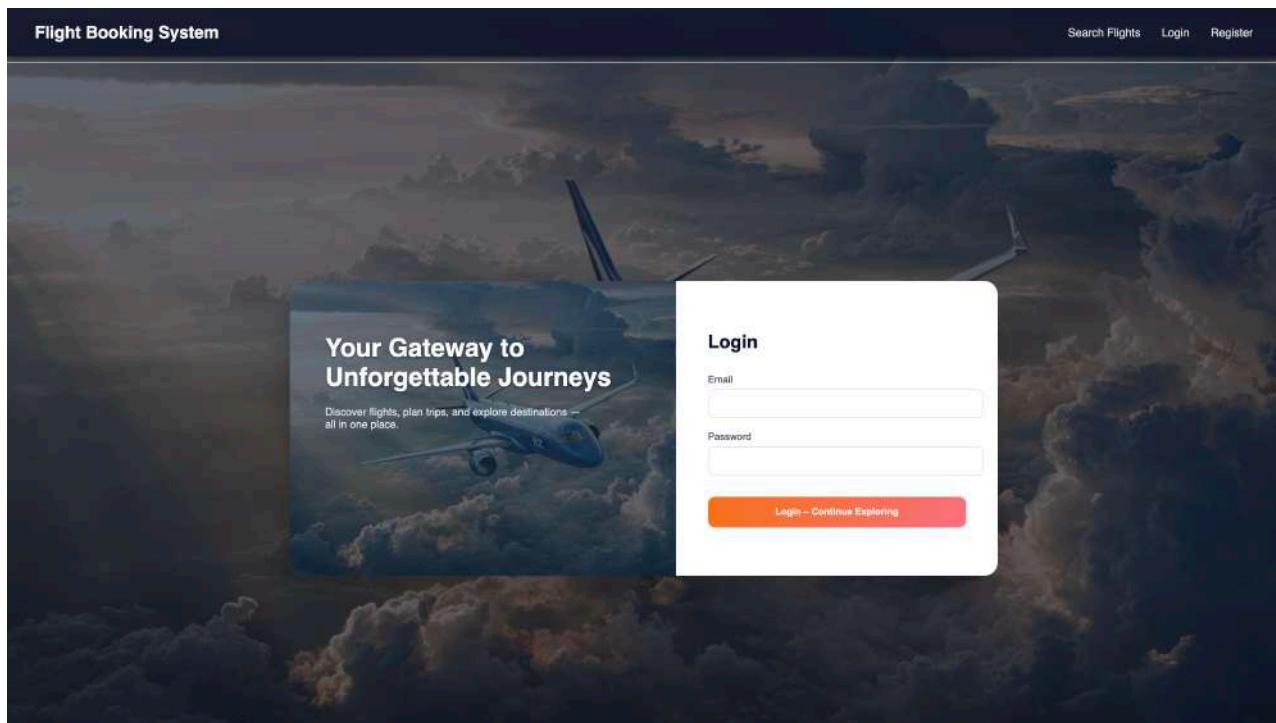
Register:

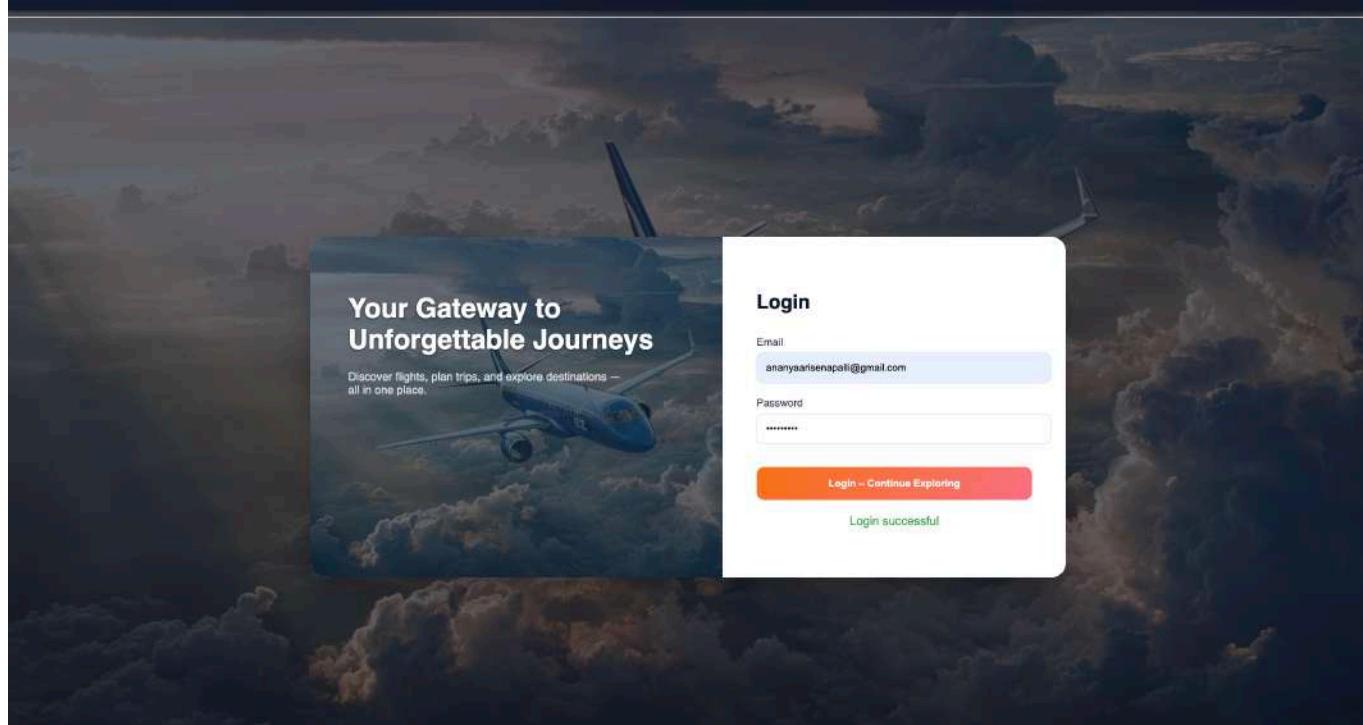


Validations on Registration:

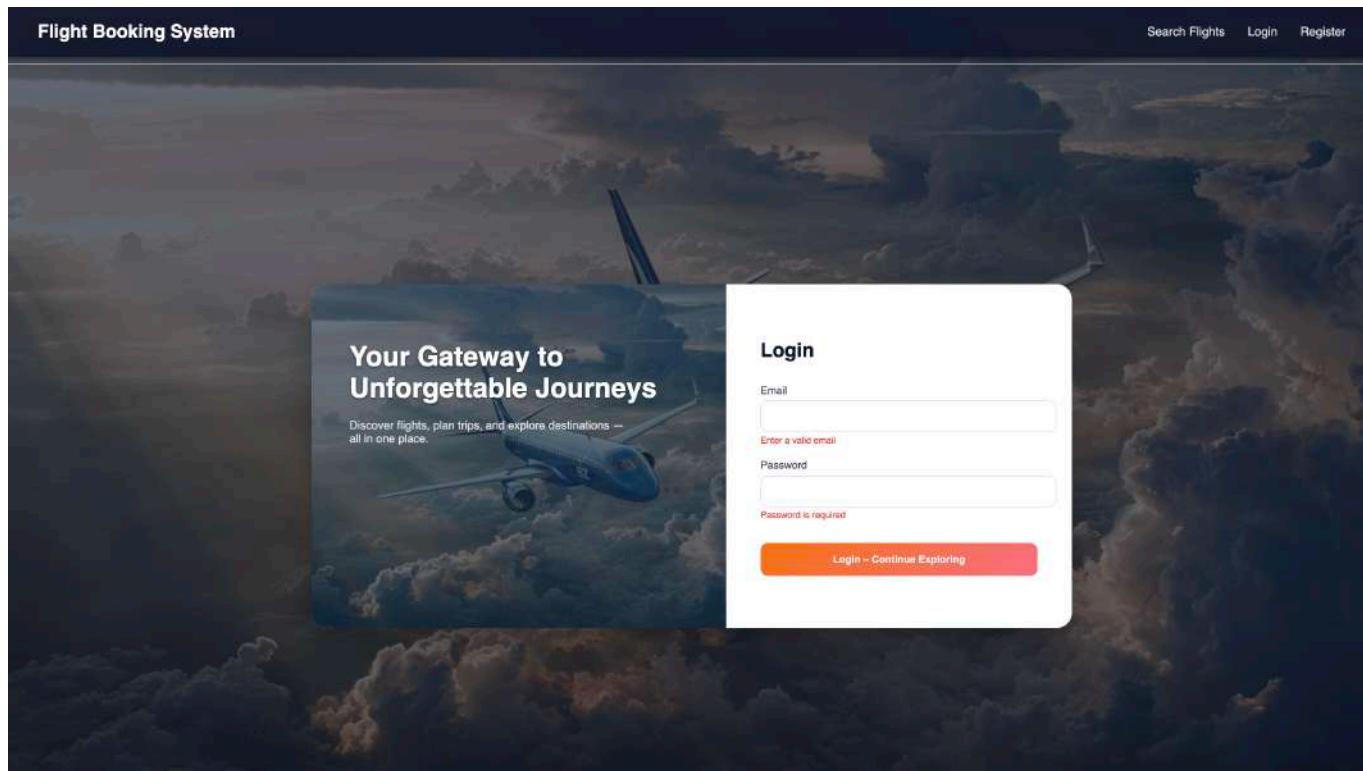


Login:

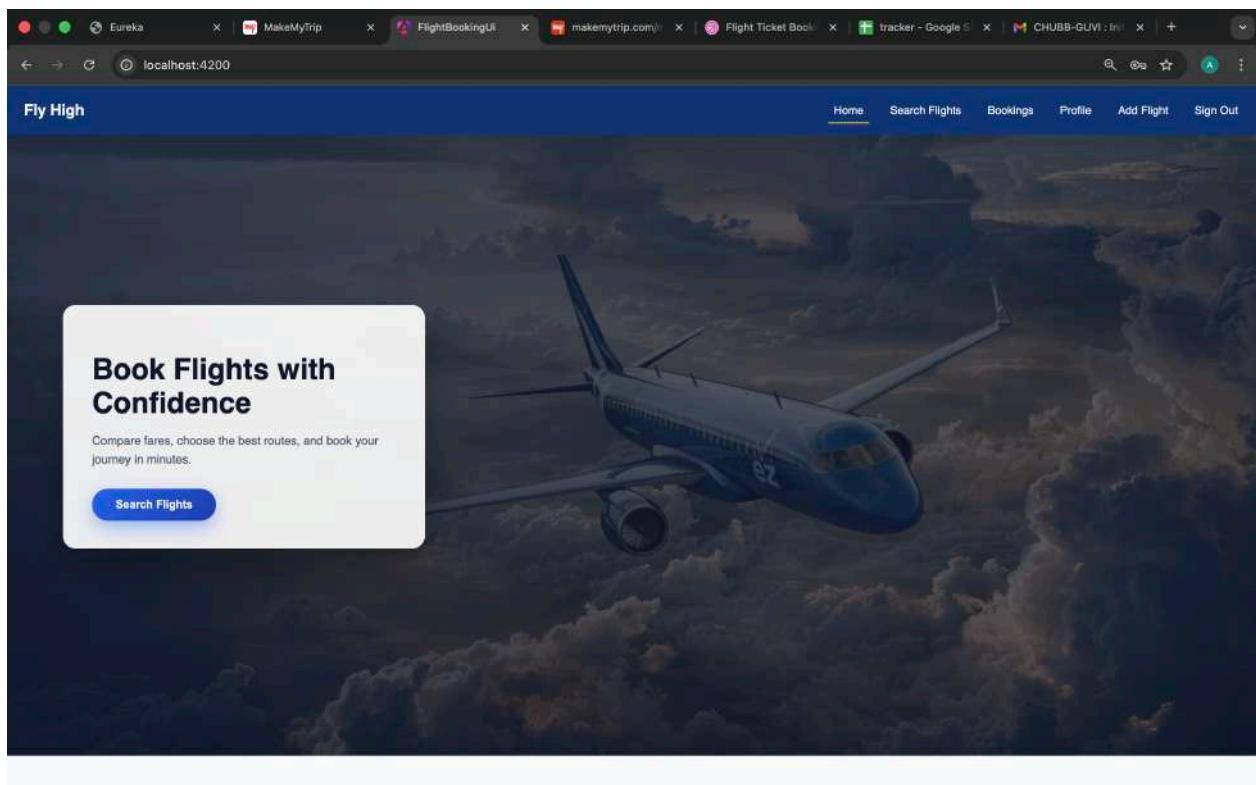




Validations on Login:



Home page:



Search Flights:

A screenshot of the 'Search Flights' page from the Fly High website. The page has a dark blue header with the 'Fly High' logo and navigation links for 'Home', 'Search Flights', 'Bookings', 'Profile', 'Add Flight', and 'Sign Out'. The main content area is divided into two sections: 'Your Search' on the left and 'Available Flights' on the right. In the 'Your Search' section, users can enter their travel details: 'From' (Hyderabad (HYD)), 'To' (Delhi (DEL)), and 'Travel Date' (25/12/2025). There is also a 'Search Flights' button. In the 'Available Flights' section, a flight from Indigo is listed with departure at 10:00, arrival at 12:30, and a duration of +2h 10m. The price is ₹4500. A 'ONEWAY' label and a 'Book' button are also present.

No Flight Available:

Fly High

Home Search Flights Bookings Profile Add Flight Sign Out

Search Flights

Find the best flights for your journey

Your Search

From: Bangalore (BLR)

To: Delhi (DEL)

Travel Date: 25/12/2025

Available Flights

No flights found. Try a different search.

Ticket Booking:

Eureka

localhost:4200/book/7

Fly High

Home Search Flights Bookings Profile Add Flight Sign Out

Book Flight

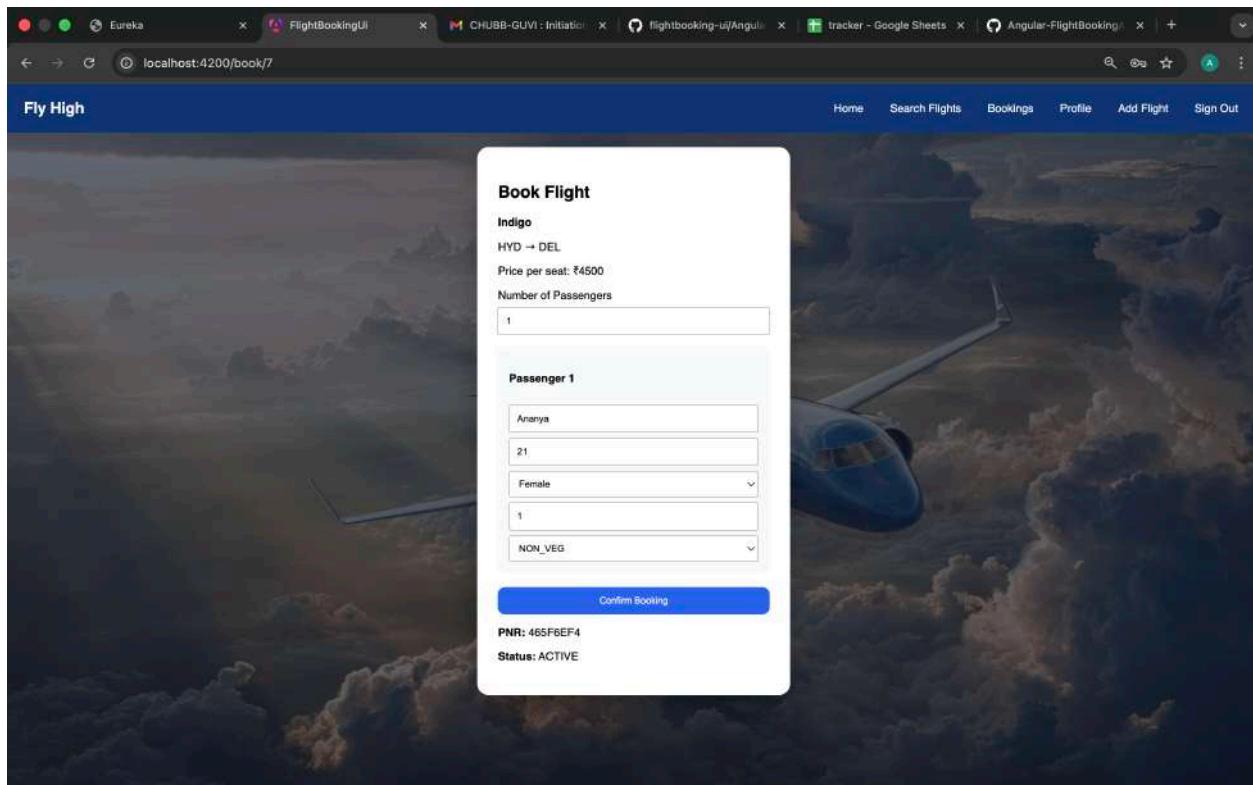
Indigo
HYD → DEL
Price per seat: ₹4500
Number of Passengers: 1

Passenger 1

Ananya
21
Female
1
NON_VEG

Confirm Booking

PNR: 465F6EF4
Status: ACTIVE



Bookings(All, Upcoming and Cancelled) :

The screenshot shows the 'My Trips' section of the Fly High application. It displays three flight bookings:

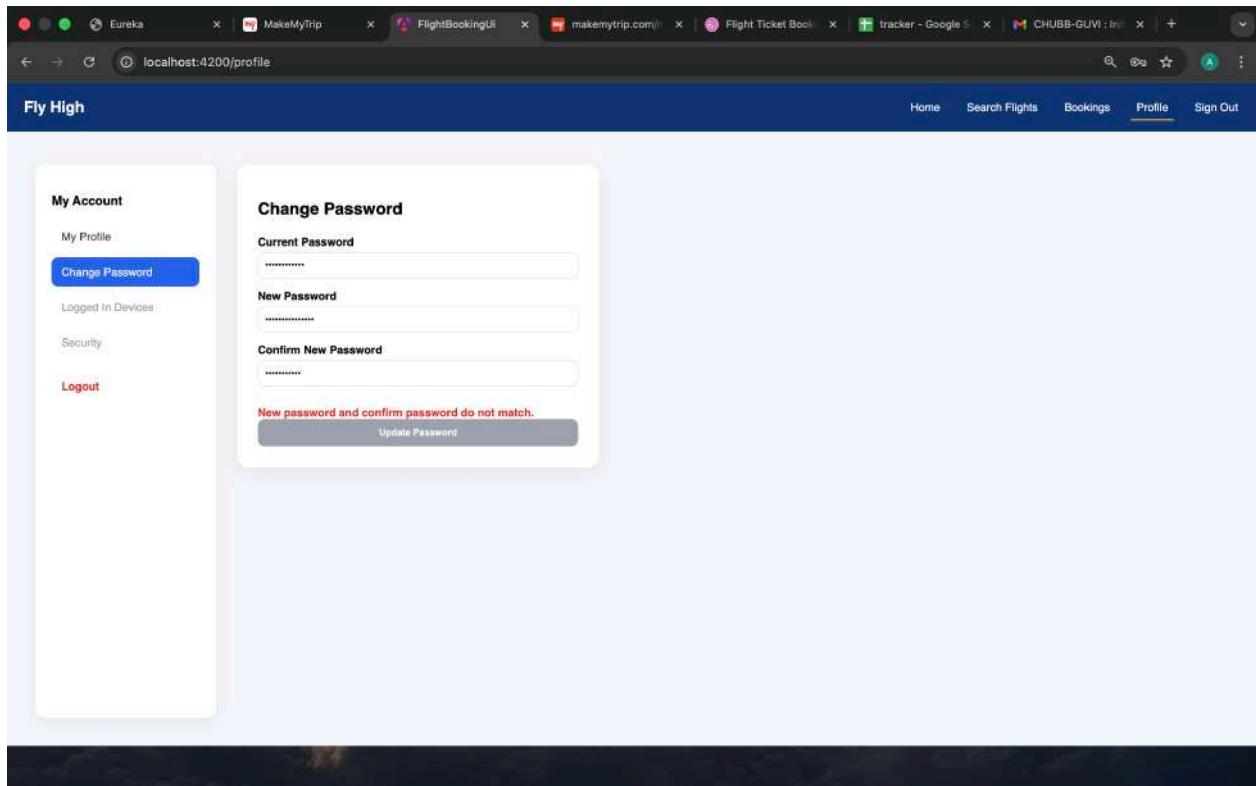
- Flight 6**: PNR 77748895, Dec 20, 2025, Total Price ₹4100, ACTIVE.
- Flight 4**: PNR 62BBE0A2, Dec 20, 2025, Total Price ₹4800, ACTIVE.
- Flight 4**: PNR E3B988530, Dec 19, 2025, Total Price ₹9600, ACTIVE.

Each booking card includes a 'View Details' button and a 'Cancel' button.

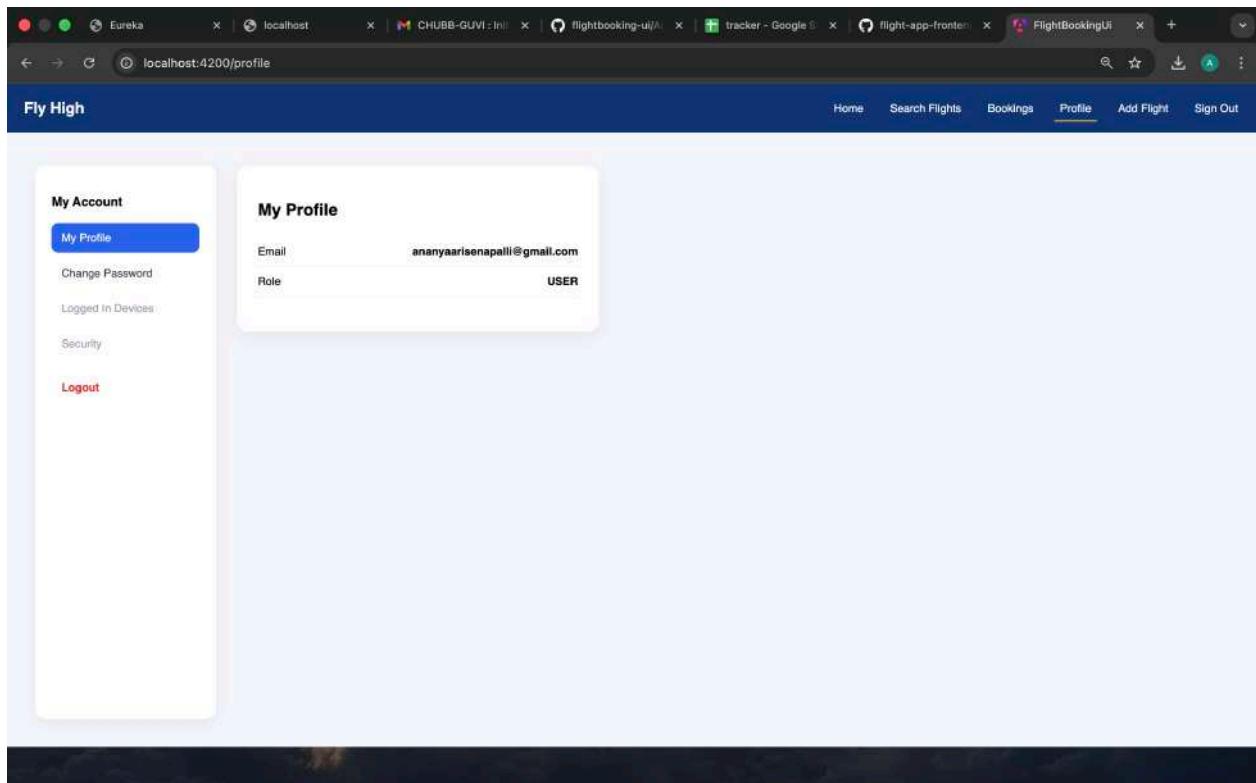
Change Password:

The screenshot shows the 'Profile' section of the Fly High application. On the left, there is a sidebar with 'My Account' options: My Profile, Change Password (highlighted in blue), Logged In Devices, Security, and Logout. The main area shows a 'Change Password' form with the message: 'Password changed successfully. Please login again.' It includes fields for 'Current Password', 'New Password', and 'Confirm New Password', along with an 'Update Password' button.

Validation:



Profile:



Add Flight Inventory:

The screenshot shows the 'Add Flight Inventory' page of the Fly High application. The page has a dark blue header with the title 'Fly High' and a navigation bar with links for Home, Search Flights, Bookings, Profile, Add Flight (which is underlined), and Sign Out.

The main content area is titled 'Add Flight Inventory' and includes the following sections:

- Airline**: Contains fields for 'Airline Name' and 'Airline Logo URL'.
- Flight Info**: Contains fields for 'Flight Number' and 'Trip Type' (set to 'One Way').
- Route**: Contains fields for 'Origin' and 'Destination'.
- Schedule**: Contains fields for 'Departure Date' (dd/mm/yyyy) and 'Departure Time' (hh:mm:ss), and 'Arrival Date' (dd/mm/yyyy) and 'Arrival Time' (hh:mm:ss).
- Capacity & Pricing**: Contains fields for 'Total Seats' and 'Price (₹)'.

At the bottom is a large grey button labeled 'Add Flight'.

The screenshot shows the 'Add Flight Inventory' page of the Fly High application after a flight has been added successfully. A green notification bar at the top displays the message 'Flight added successfully' with a small info icon.

The rest of the page structure is identical to the first screenshot, featuring the same sections for Airline, Flight Info, Route, Schedule, and Capacity & Pricing, along with the 'Add Flight' button at the bottom.

Validations:

The screenshot shows the 'Add Flight' form with several validation errors:

- Airline**: "Airline Name" field has a red border and a placeholder "This field is required".
- Flight Info**: "Flight Number" field has a red border and a placeholder "This field is required".
- Route**: "Origin" field has a red border and a placeholder "This field is required".
- Schedule**: "Departure Date" field has a red border and a placeholder "This field is required".
- Capacity & Pricing**: "Total Seats" field has a red border and a placeholder "This field is required".

The "Add Flight" button at the bottom is disabled.

The screenshot shows the 'Add Flight' form with validation errors and a specific constraint message:

- Airline**: "Airline Name" field has a red border and a placeholder "This field is required".
- Flight Info**: "Flight Number" field has a red border and a placeholder "This field is required".
- Route**: "Origin" field has a red border and a placeholder "Use IATA code (HYD)".
- Schedule**: "Arrival Date" field has a red border and a placeholder "Arrival must be after departure".
- Capacity & Pricing**: "Total Seats" field has a red border and a placeholder "This field is required".

The "Add Flight" button at the bottom is disabled.

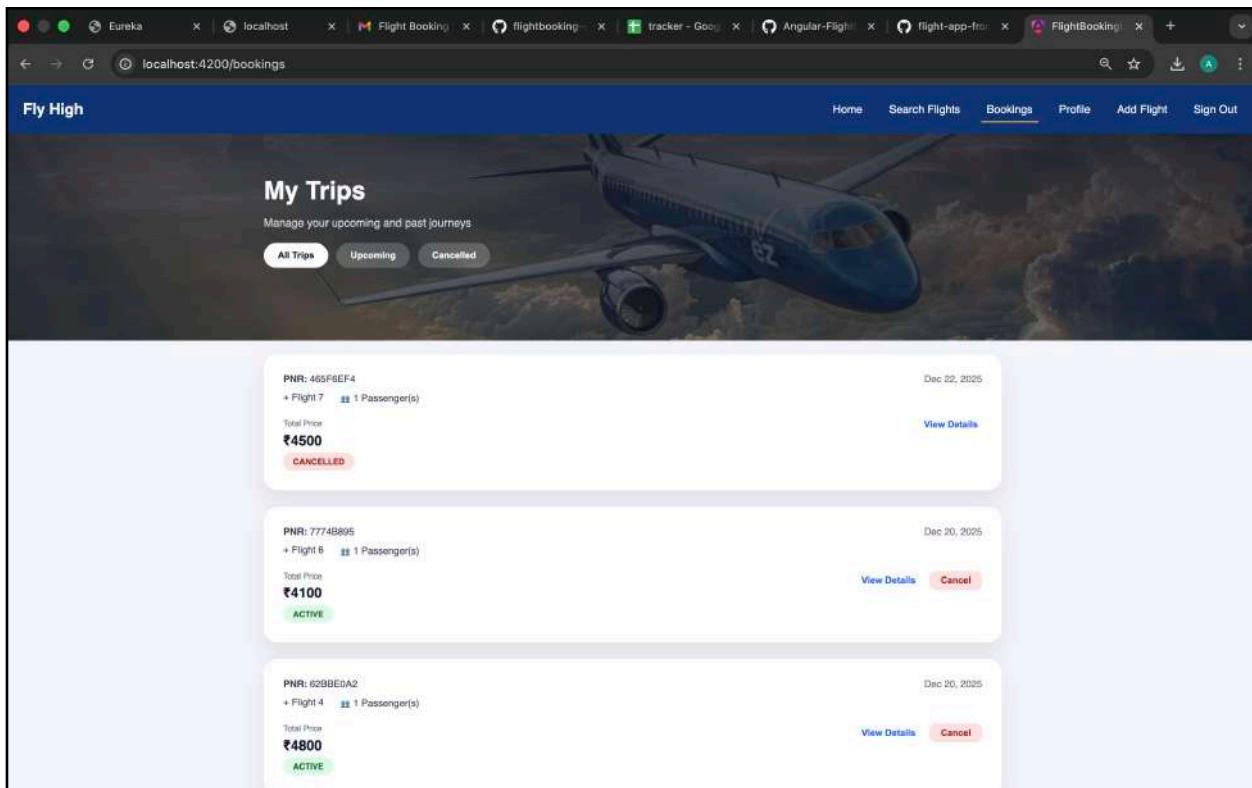
Role Based Access Control Implemented - Only Admin:

The screenshot shows a web application interface for managing flight inventory. At the top, there's a navigation bar with links for Home, Search Flights, Bookings, Profile, Add Flight (which is underlined), and Sign Out. Below the navigation is a form titled "Add Flight Inventory" with sections for "Airline Details" (Airline Name and Logo URL), "Flight Info" (Flight Number and Trip Type), and "Route" (Origin and Destination IATA codes). The background of the main page has a dark theme with some blurred text and images.

At the bottom of the screen, the Chrome DevTools Network tab is open, showing a list of network requests. One request, "http://localhost:4200", is selected, revealing details about local storage. The "Local storage" section shows two items: "role" with value "ADMIN" and "token" with a long, encoded string.

Cancel Ticket:

The screenshot shows a "My Trips" page from a travel application. The page displays three flight bookings with their respective PNR numbers, flight details, and total prices. A modal window is currently active over the second booking, titled "Cancel Booking". It contains a confirmation message: "Are you sure you want to cancel this booking? This action cannot be undone." At the bottom of the modal are two buttons: "Keep Booking" (in grey) and "Confirm Cancel" (in red).



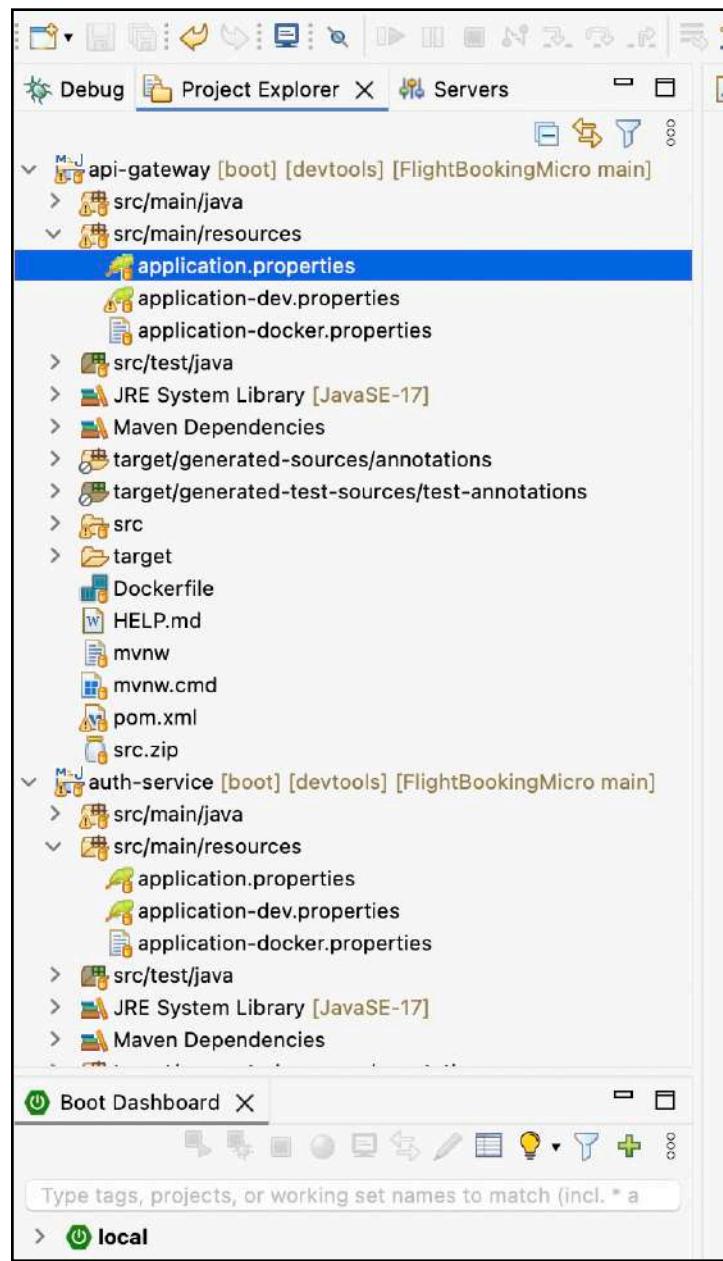
Optimized Docker files:

A screenshot of an IDE (Eclipse) showing the 'Project Explorer' view. The project structure includes two main modules: 'api-gateway' and 'auth-service'. The 'api-gateway' module contains a 'Dockerfile' with the following content:

```
1 FROM maven:3.8.5-openjdk-17
2
3 WORKDIR /api-gateway
4
5 COPY target/api-gateway-0.0.1-SNAPSHOT.jar app.jar
6
7 EXPOSE 8087
8
9 CMD ["java", "-jar", "app.jar"]
```

The 'auth-service' module also contains a 'Dockerfile' and other build-related files like 'HEL.md', 'mvnw', and 'mvnw.cmd'. The top of the IDE shows various tabs for Java classes like 'Booking.java' and 'BookingService.java'.

Added two properties files (dev and docker) :



Docker Container:

The screenshot shows the Docker Desktop interface. On the left, there's a sidebar with various sections like Ask Gordon, Containers, Images, Volumes, Kubernetes, Builds, Models, MCP Toolkit, Docker Hub, Docker Scout, and Extensions. The 'Containers' section is selected. At the top, it displays 'Container CPU usage' (7.88% / 400%) and 'Container memory usage' (2.74GB / 3.74GB). Below that is a search bar and a filter 'Only show running containers'. A table lists 10 running containers, each with a status icon, name, CPU usage, memory usage, memory limit, disk read/write, network I/O, PIDs, last started time, and actions (three dots and a trash bin). The containers are numbered from 1 to 10. At the bottom, it shows 'Showing 10 items' and some system metrics: RAM 3.65 GB, CPU 10.75%, Disk: 6.82 GB used (limit 223.63 GB), and a terminal status.

Docker logs:

```
ananyaarisenapalli@Ananyas-MacBook-Pro-3 FlightBookingMicro % docker compose logs
flight_mysql | 2025-12-22 09:43:17+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.44-1.el9 started.
flight_mysql | 2025-12-22 09:43:18+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
flight_mysql | 2025-12-22 09:43:18+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.44-1.el9 started.
flight_mysql | '/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
flight_mysql | 2025-12-22T09:43:18.845591Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL instead.
flight_mysql | 2025-12-22T09:43:18.847358Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.44) starting as process 1
flight_mysql | 2025-12-22T09:43:18.853624Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
flight_mysql | 2025-12-22T09:43:19.236055Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
flight_mysql | 2025-12-22T09:43:19.586148Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
```

Eureka Dashboard:

The screenshot shows the Spring Eureka dashboard running on localhost:8761. The interface includes sections for System Status, DS Replicas, and General Info.

System Status

Environment	test	Current time	2025-12-22T09:44:18 +0000
Data center	default	Uptime	00:01
		Lease expiration enabled	false
		Renews threshold	11
		Renews (last min)	0

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - 225c93cedc56.api-gateway:8087
AUTH-SERVICE	n/a (1)	(1)	UP (1) - bc364577079f.auth-service:8085
BOOKING-SERVICE	n/a (1)	(1)	UP (1) - 7c230dd1a6e3.booking-service:8082
CONFIG-SERVER	n/a (1)	(1)	UP (1) - 0083979f6161.config-server:8088
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - d371aab0729bf.flight-service:8081
NOTIFICATION-SERVICE	n/a (1)	(1)	UP (1) - 6c3db1b5ab93.notification-service:8090

General Info

Name	Value
total-avail-memory	105mb
num-of-cpus	4

Notification-service:

Flight Booking Confirmation – PNR 465F6EF4 Inbox x

 charliektest11@gmail.com
to me ▾

7:57 PM (10 minutes ago) Star Smile Reply Forward More

Dear Customer,

We are pleased to inform you that your flight booking has been successfully confirmed.

Booking Details:

PNR : 465F6EF4
Flight ID : 7
Number of Seats: 1
Seat Numbers : [1]
Total Amount : ₹4500.00
Booking Date : 2025-12-22T14:27:29.795891425Z

Please keep this PNR for future reference. You may be required to present it during check-in or while contacting customer support.

We wish you a comfortable and pleasant journey.

Sincerely,
Flight Booking Support Team

Flight Booking Cancellation – PNR 465F6EF4 Inbox x

 charliektest11@gmail.com
to me ▾

8:09 PM (0 minutes ago) Star Smile Reply Forward More

Dear Customer,

This email is to confirm that your flight booking has been successfully cancelled as per your request.

Cancellation Details:

PNR : 465F6EF4
Flight ID : 7
Number of Seats: 1
Cancelled On : 2025-12-22T14:39:17.426445169Z

If any applicable refund is initiated, it will be processed according to the airline's cancellation policy and credited to your original payment method.

If you have any questions or require further assistance, please contact our customer support team.

Thank you for using our flight booking service.

Sincerely,
Flight Booking Support Team

Reply Forward Smile