



LET'S EXPLORE THE WORLD WITH GO FLY!

Final Project Database System

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TOPIC OUTLINE

- INTRODUCTION
- OUR FEATURES
- FLOWCHART
- OUR DATABASE
- TABLE RELATION

ABOUT GO FLY!

Introducing GoFly, your ultimate flight reservation website. Discover seamless travel experiences with our user-friendly platform, offering a wide selection of flights, an easy booking process, and secure payments. Fly with confidence and embark on your next adventure with GoFly.



GOFLY COMPRISES THREE KEY COMPONENTS:

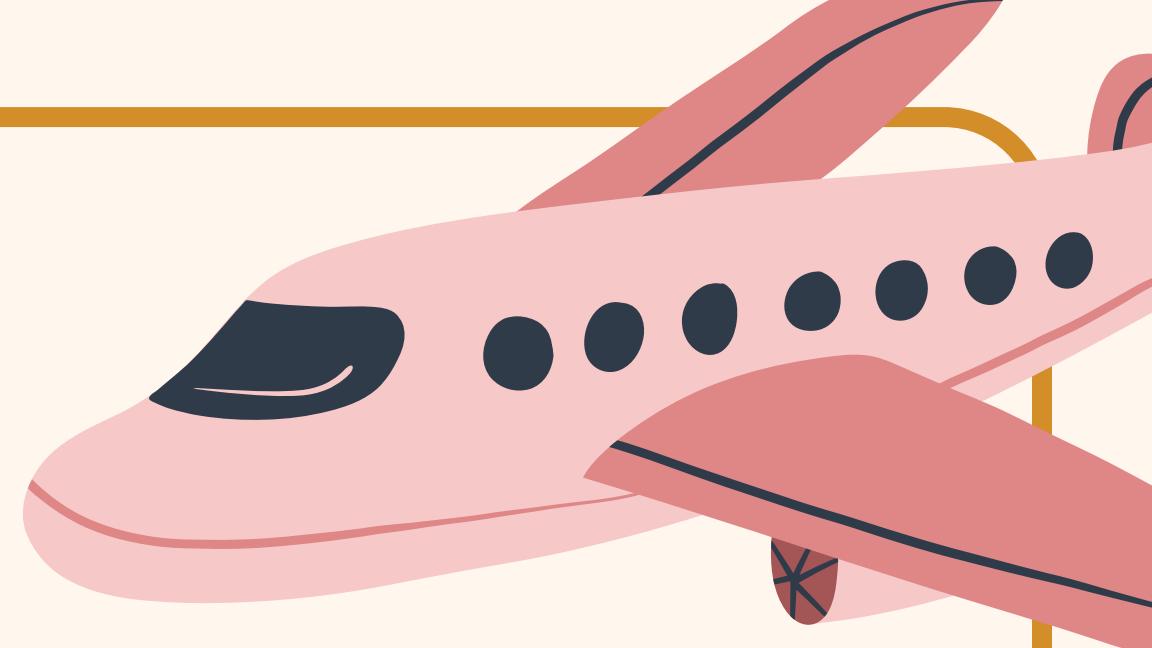


- 1. Customers:** The heart of GoFly, customers can create accounts, search for flights, and make bookings. They can easily manage their reservations.
- 2. Flights Booking:** GoFly provides a comprehensive flight booking system, offering a vast selection of airlines and schedules. Customers can search and filter options based on their preferences, such as prices, ensuring they find the perfect flight that suits their needs.
- 3. Admins:** Admins have access to a powerful backend system that enables them to manage the platform effectively. They can handle bookings and update flight information.

OUR FEATURES



Sign In
and Sign Up



Sign In has two
types, users and
admin

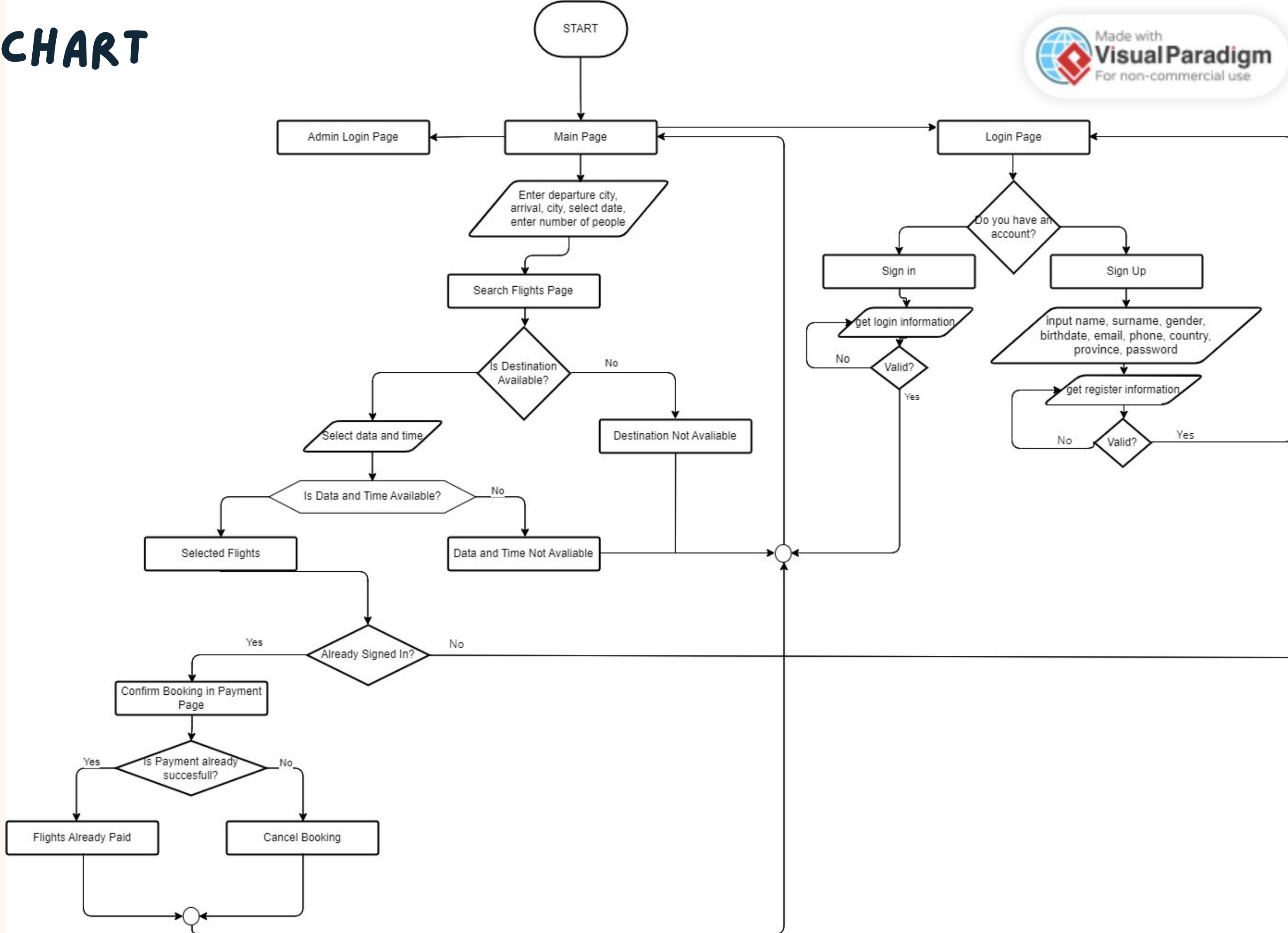


Users have the
ability to book
and pay flights

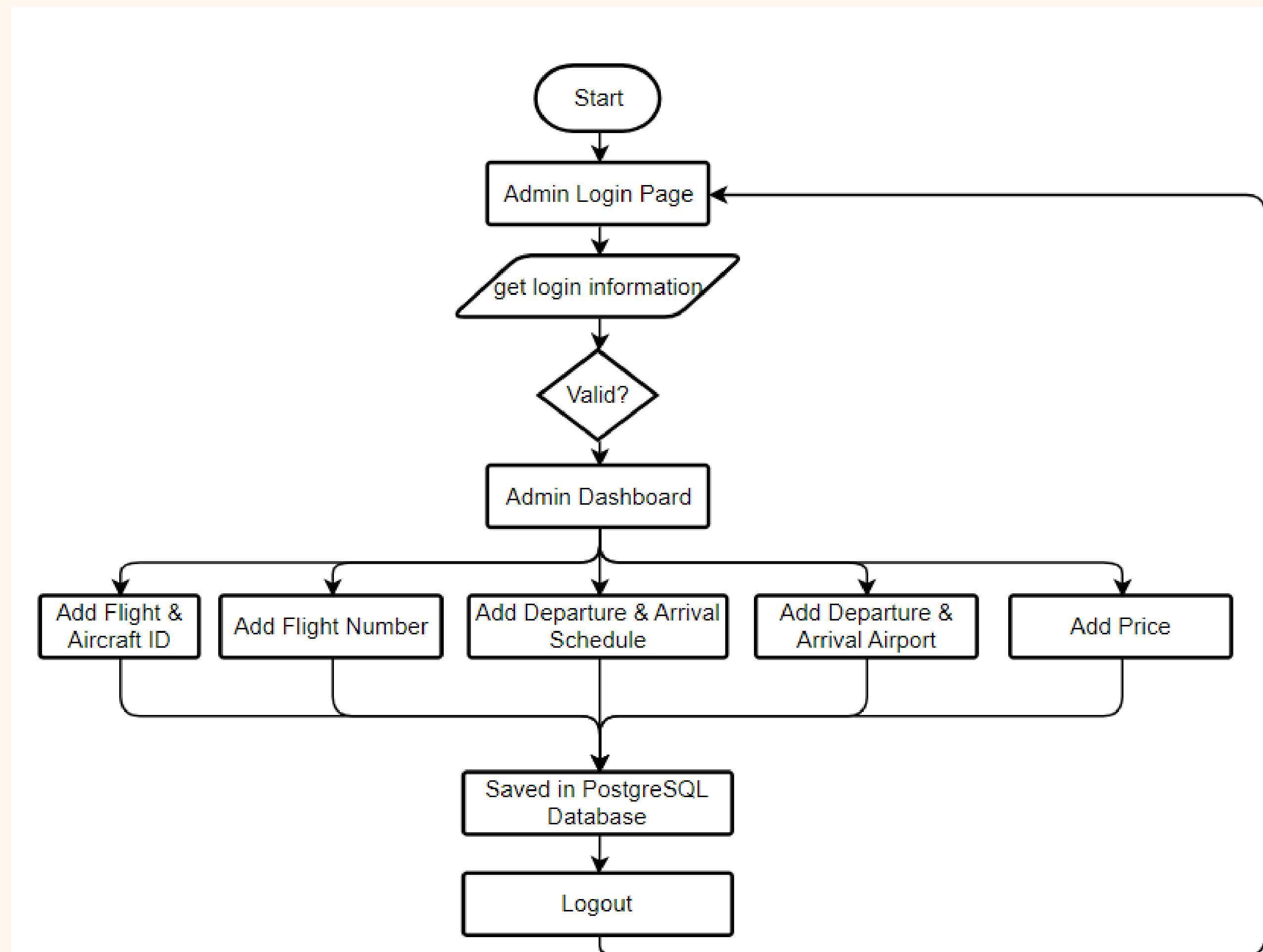


Admins have the
ability to add
flights

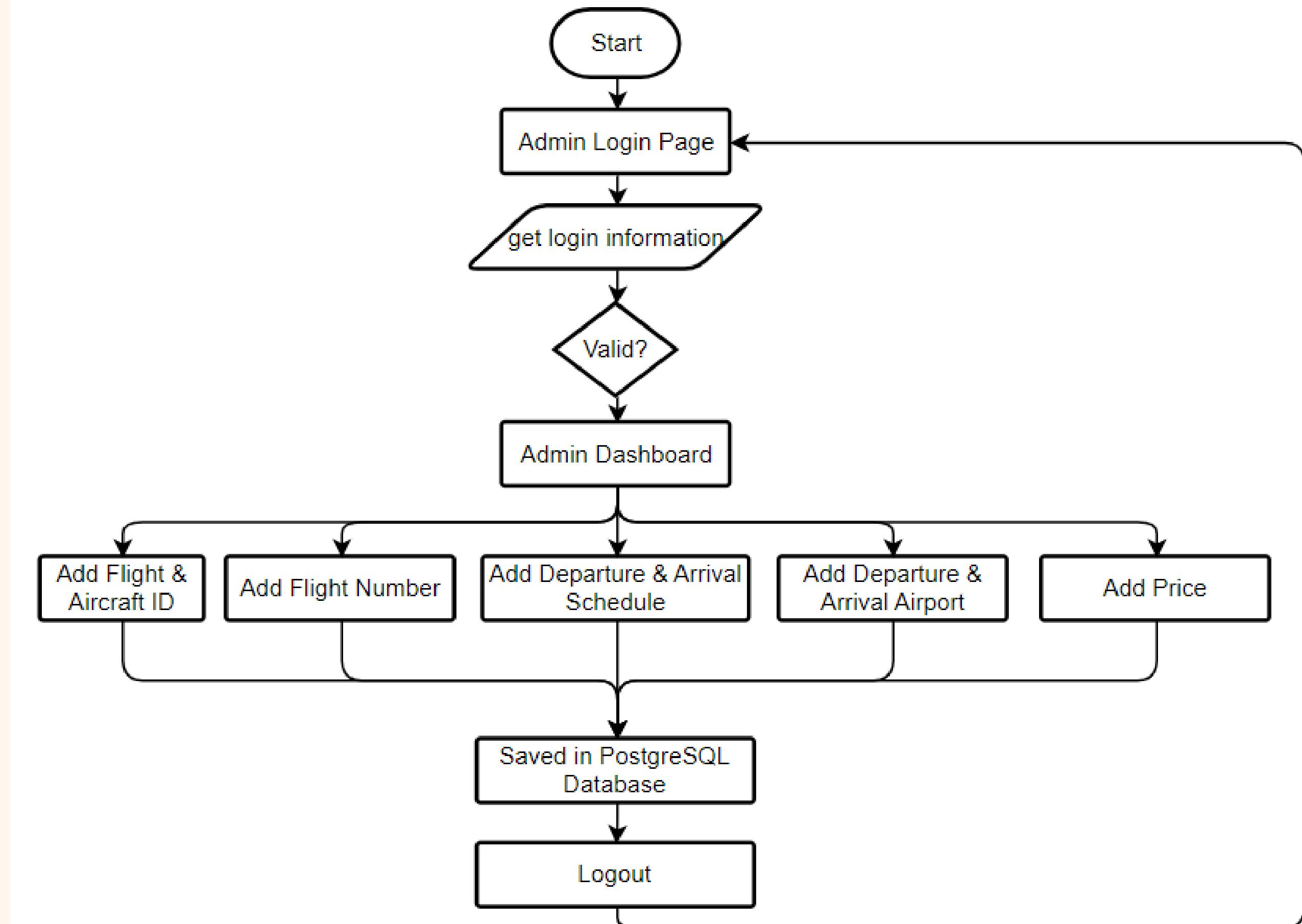
FLOWCHART



FLOWCHART



FLOWCHART



OUR DATABASE COMPONENTS:

users	
<input type="checkbox"/> user_id	uuid NOT NULL
<input checked="" type="checkbox"/> name	varchar(50) NOT NULL
<input checked="" type="checkbox"/> surname	varchar(50) NOT NULL
<input checked="" type="checkbox"/> gender	gender_type NOT NULL
<input checked="" type="checkbox"/> birthdate	date NOT NULL
<input checked="" type="checkbox"/> email	varchar(100) NOT NULL
<input checked="" type="checkbox"/> phone_number	varchar(20) NOT NULL
<input checked="" type="checkbox"/> country	text NOT NULL
<input checked="" type="checkbox"/> province	text NOT NULL
<input checked="" type="checkbox"/> password	varchar(100) NOT NULL
<input checked="" type="checkbox"/> isadmin	bool

flights	
<input checked="" type="checkbox"/> flight_id	serial4 NOT NULL
<input checked="" type="checkbox"/> flight_airline_id	int4 NOT NULL
<input checked="" type="checkbox"/> flight_no	bpchar(4) NOT NULL
<input checked="" type="checkbox"/> aircraft_id	int4 NOT NULL
<input checked="" type="checkbox"/> scheduled_departure	timestamptz NOT NULL
<input checked="" type="checkbox"/> scheduled_arrival	timestamptz NOT NULL
<input checked="" type="checkbox"/> departure_airport	bpchar(3) NOT NULL
<input checked="" type="checkbox"/> arrival_airport	bpchar(3) NOT NULL
<input checked="" type="checkbox"/> status	flight_status NOT NULL
<input checked="" type="checkbox"/> seats_booked	int4
<input checked="" type="checkbox"/> actual_departure	timestamptz
<input checked="" type="checkbox"/> actual_arrival	timestamptz
<input checked="" type="checkbox"/> price	numeric(10, 2) NOT NULL

booking	
<input checked="" type="checkbox"/> booking_id	serial4 NOT NULL
<input type="checkbox"/> user_id	uuid
<input checked="" type="checkbox"/> flight_id	int4
<input checked="" type="checkbox"/> booking_date	timestamptz NOT NULL
<input checked="" type="checkbox"/> seats_booked	int4
<input checked="" type="checkbox"/> seat_numbers	_int4
<input checked="" type="checkbox"/> status	booking_status NOT NULL

OUR DATABASE COMPONENTS:

subcountry	
subcountry_name	text NOT NULL
country	text NOT NULL
subdivision	text
subcountry_level	text

airports	
code	varchar(50) NOT NULL
name	varchar(200)
citycode	varchar(50)
cityname	varchar(200)
countryname	varchar(200)
country	text NOT NULL
timezone	varchar(8)
lat	varchar(32)
lon	varchar(32)
numairports	int4

aircraft_model	
aircraft_id	serial4 NOT NULL
model	varchar(100) NOT NULL
manufacturer	varchar(100) NOT NULL
capacity	int4 NOT NULL
country	text NOT NULL

users	
user_id	uuid NOT NULL
name	varchar(50) NOT NULL
surname	varchar(50) NOT NULL
gender	gender_type NOT NULL
birthdate	date NOT NULL
email	varchar(100) NOT NULL
phone_number	varchar(20) NOT NULL
country	text NOT NULL
province	text NOT NULL
password	varchar(100) NOT NULL
isadmin	bool

OUR DATABASE COMPONENTS:

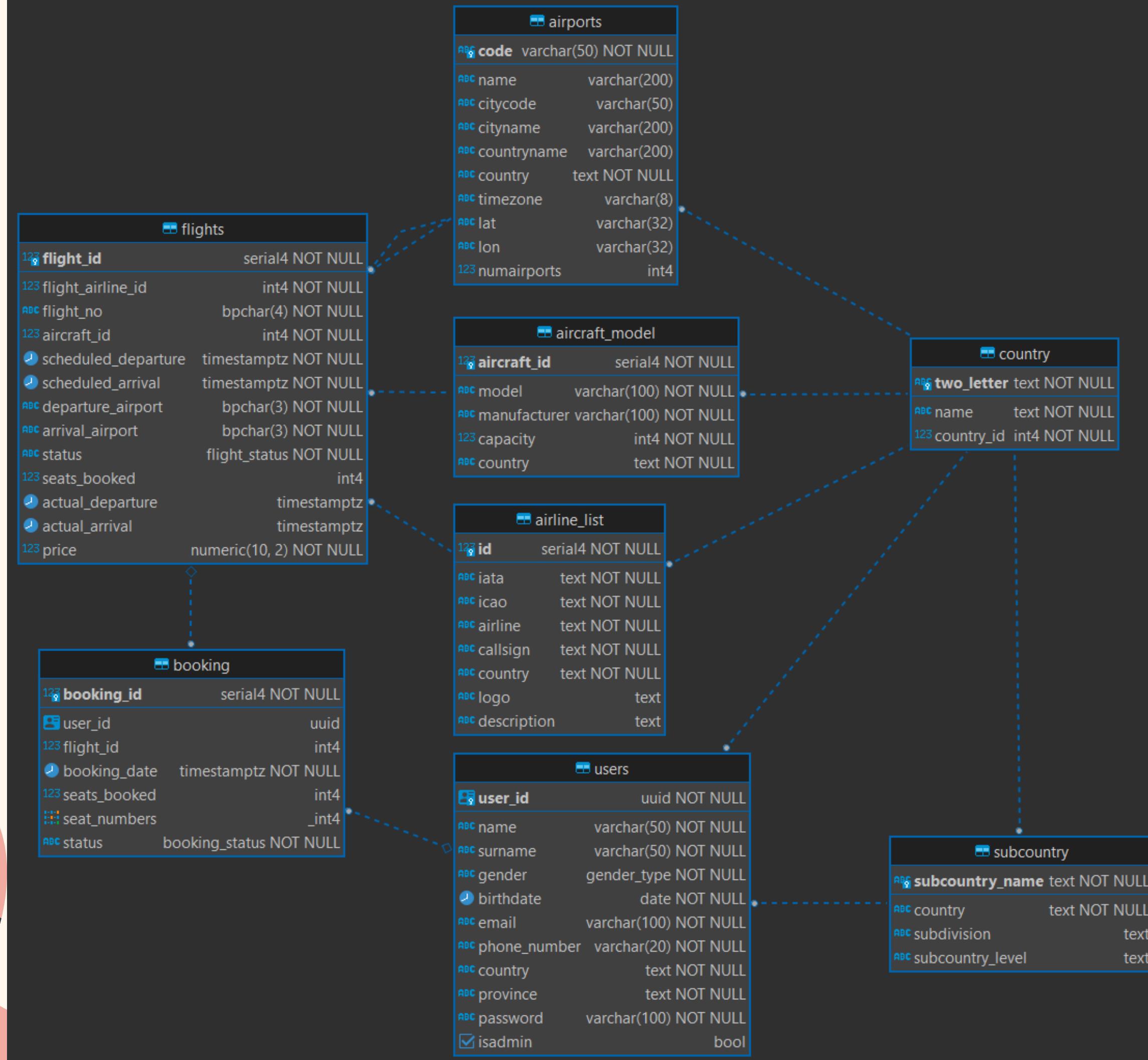
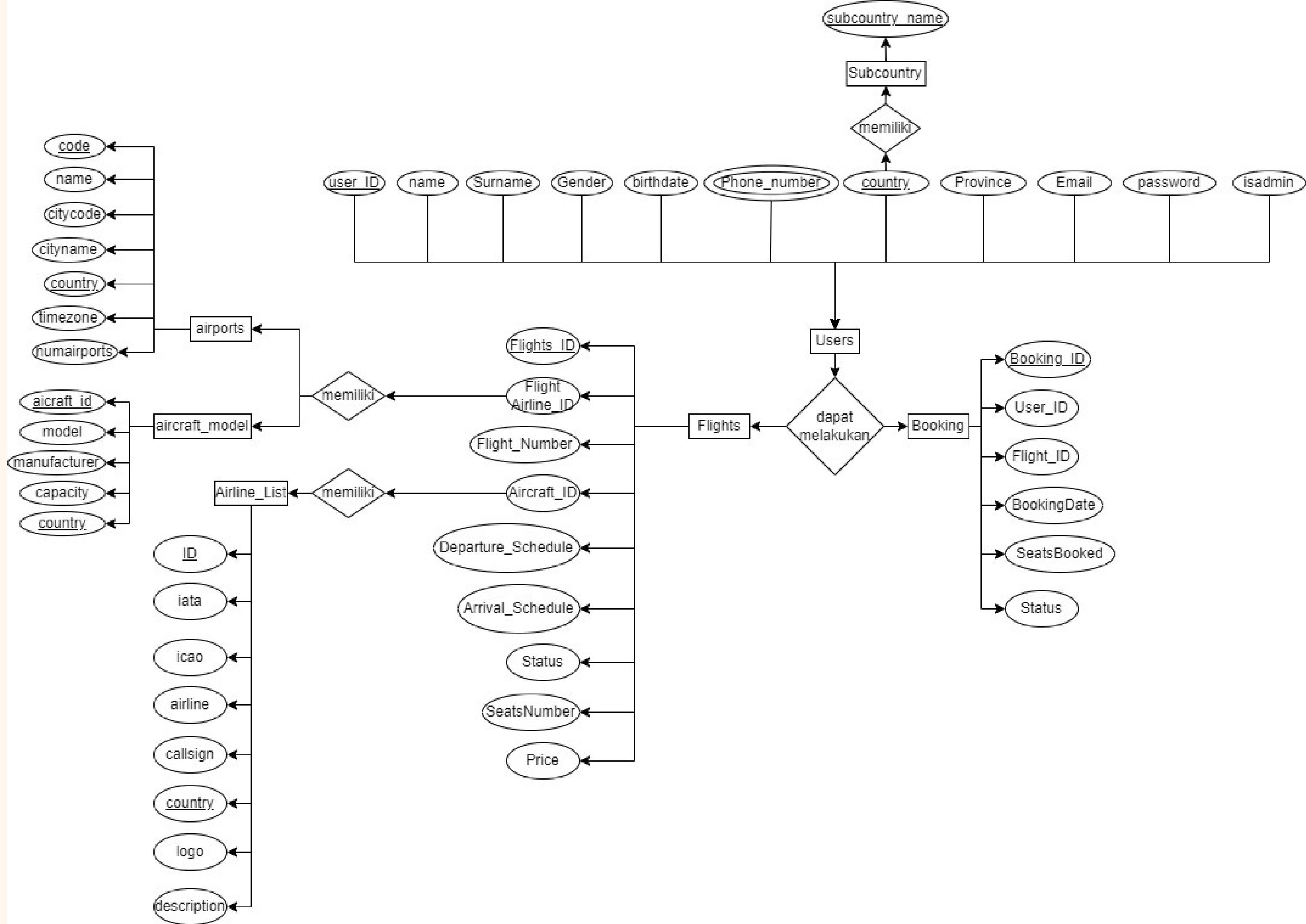


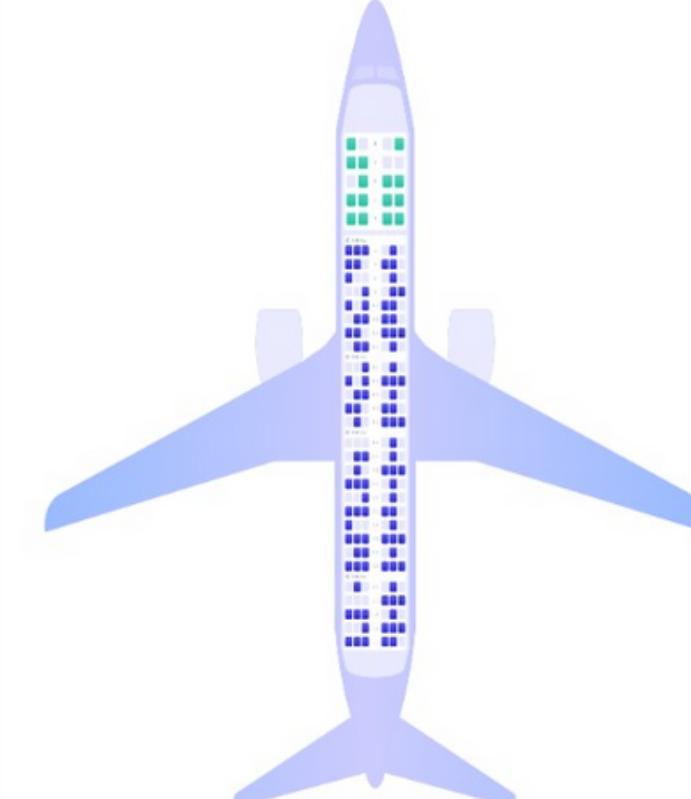
TABLE RELATIONAL



SIGN IN PAGE

GoFly!

Flight Login **Register**



Sign in for GoFly!

Sign in using your email address and password below to get started.

Email

Password

I agree to the terms and conditions

Login

Don't Have an Account? [Sign Up!](#)

GoFly!

Menu Contact

Home Email: gofly@gmail.com

Term and Condition



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SIGN UP PAGE

GoFly!

Flight

Login

Register

Sign up for GoFly!

Sign up using your email address and password below to get started.

I agree to the terms and conditions

Sign Up

Already Have an Account? [Sign In!](#)

ADMIN PAGE

GoFly!

Flight Login

Register

Gofly Admin

Admin Access

Add Flight

To add Flight

Add Flight

Add Booking

To add Booking

Add Booking

Add Aircraft

To add Aircraft

Add Aircraft

Edit Flight

To edit Flight

Edit Flight

Edit Booking

To edit Booking

Edit Booking

Edit Airlines

To edit Airlines

Edit Airlines

GoFly!

Menu

Home

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Email: gofly@gmail.com



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MAIN PAGE



The image shows the main page of the GoFly! flight booking website. The background features a world map with a red-to-white gradient. A dashed red line originates from an orange circle labeled "NRT" (Tokyo) and extends across the Pacific Ocean towards North America. Overlaid on the map is a large, semi-transparent red banner containing the text "Discover The World: Book Your Flight Today!" in white. At the top left, the "GoFly!" logo is displayed in red. Along the top right, there are three buttons: "Flight" (in black), "Login" (in black), and a red button with the word "Register". Below the banner, there is a search bar with five input fields: "From where?", "Where to?", "Depart - Return", "1 Adult", and a red "Search" button.

GoFly!

Flight Login Register

Discover The World:
Book Your Flight Today!

From where? Where to? Depart - Return 1 Adult Search

NRT

SEARCH PAGE

GoFly!

Flight Login Register

From where? Where to? Depart - Return 1 Adult Search

Price Times Airlines Clear filters

Choose a Flight!

 16h 45m Hawaiian Airlines	7:00AM - 4:15PM	1 stop 2h 45m in HNL	\$624 rounded trip
 16h 45m Japan Airlines	7:00AM - 4:15PM	1 stop 2h 45m in HNL	\$624 rounded trip
 16h 45m Delta Airlines	7:00AM - 4:15PM	1 stop 2h 45m in HNL	\$624 rounded trip

Hawaiian Airlines FIG4312 16h 45m (+1d)
7:00 AM - 4:15 PM 2h 45m in HNL

Subtotal \$503
Taxes & Fees \$121
Total \$624

Payment

Show all flights

GoFly!

Menu Contact

Home Email: gofly@gmail.com

Term and Condition

PAYMENT PAGE

[Flight](#)[Login](#)[Register](#)

Payment method

The payment method is only by Credit Card. GoFly processes your payment securely with end-to-end encryption.

[Credit Card](#)

Credit card details

Billing address is same as Passenger 1

Save card and create account for later

Cancellation policy

This flight has a flexible cancellation policy. If you cancel or change your flight up to 30 days before the departure date, you are eligible for a free refund. All flights booked on GoFly are backed by our satisfaction guarantee, however cancellation policies vary by airline. See the full cancellation policy for this flight.



Subtotal \$503

Taxes & Fees \$121

Total \$624

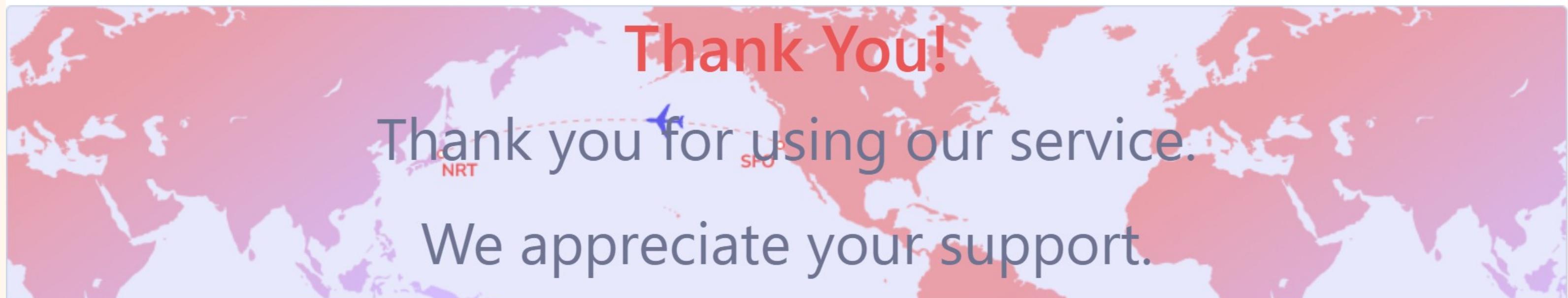
[Confirm and Pay](#)[Menu](#)[Contact](#)[Home](#)

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THANK YOU PAGE

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THANK you!