**GROUP 34** DBMS 2025





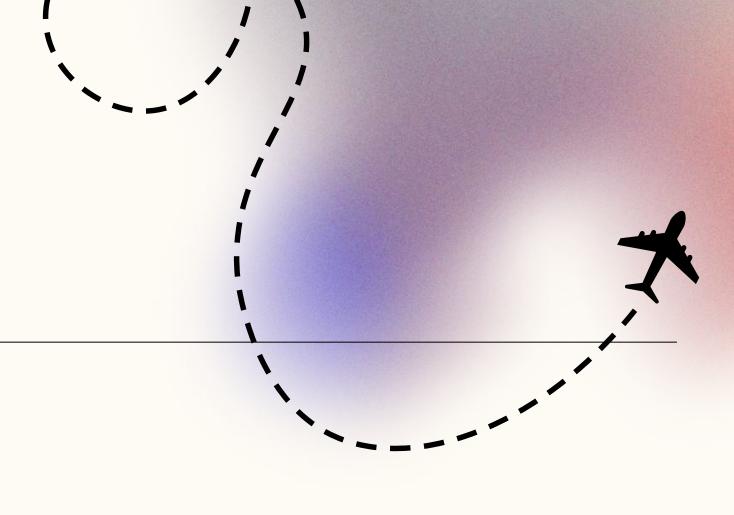
## Flight Management System

Khushi Rana 2023285 Jaitrika Reddy 2023333 Nirvika Gupta 2023351 Beas Bishnu 2023167

## How it Works:

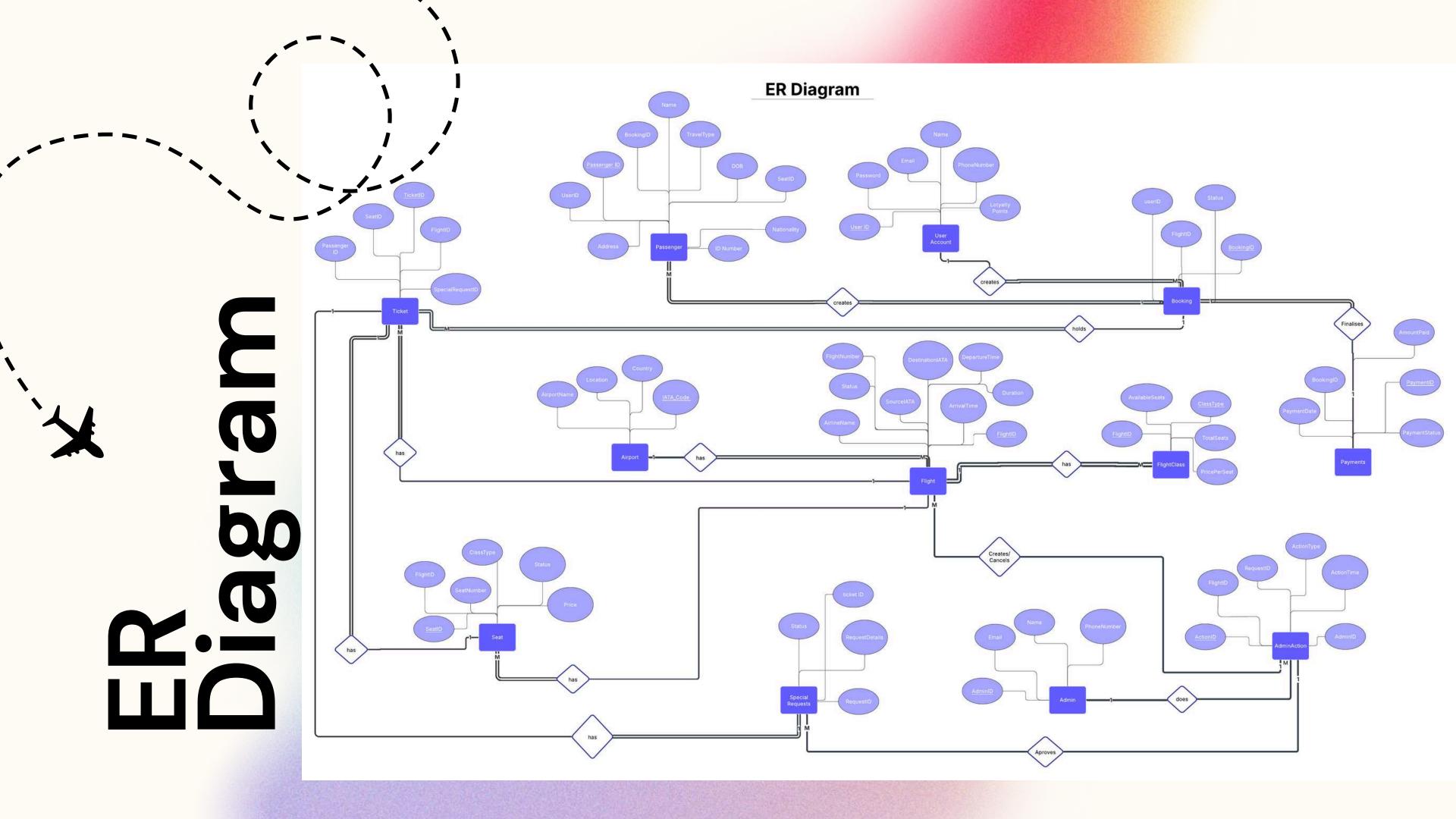
### The System Aims to:

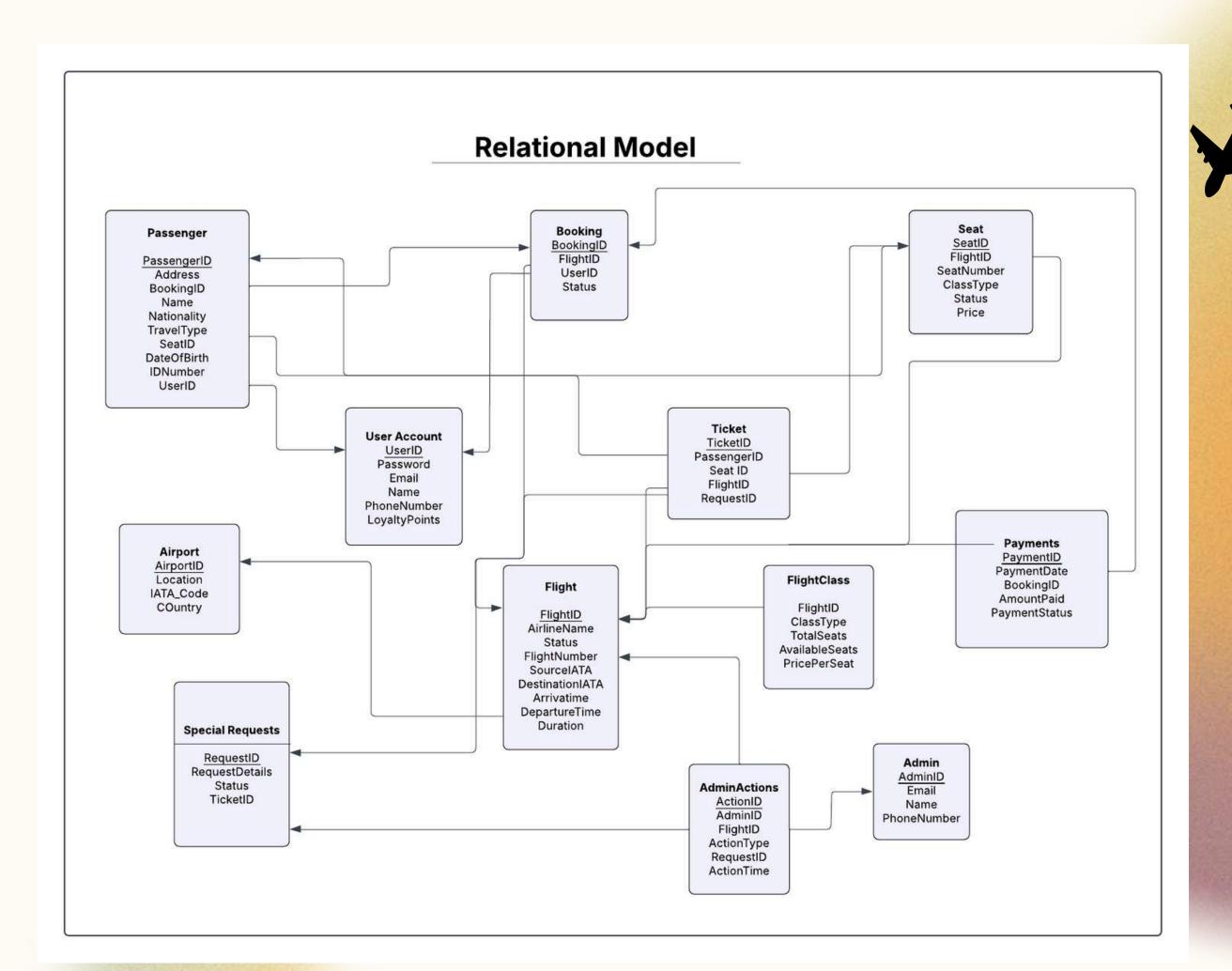
- Allow users to create accounts, book flights based on location and date
- Allow users to choose seats, mention special requests, and make payments
- Show ticket details to users
- Allow users to book multiple tickets for multiple passengers



- Allow **admin** to create accounts, view booking details, and manage flights
- Allow **admin** to view different data, such as monthly revenue
- Allow admin to view special requests
- Allow admin to view pending payments







# SQL Queries Used:

These are the SQL queries we used

- Retrieve all bookings for a given user
- Find all tickets booked for a specific flight
- Get the user's booking details and payment status
- Retrieve all pending payments for a user
- Get the total revenue generated from all bookings for a given month
- List all special requests made for a particular flight
- Find flights between two cities on a specific date, sorted by price
- Find the flights with the lowest bookings
- Approve special requests made by users
- Find the most frequent users of Falcon
- Get all user account details for a particular user
- Add and cancel flights via Admin

# Our GUI





### **User Login**

Login as Admin instead? Login now

-Email Address-

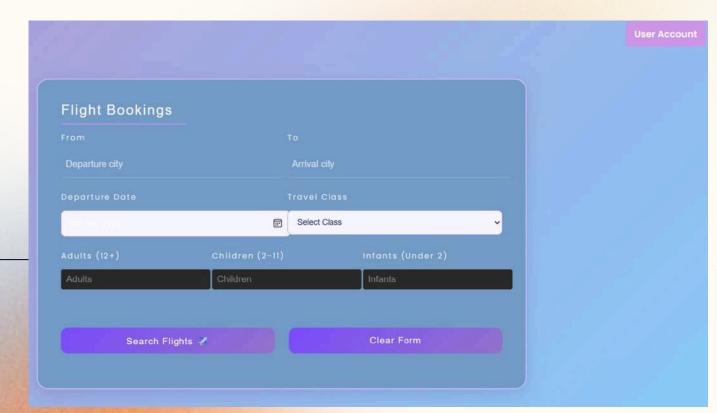
khushi@gmail.com

-Password-

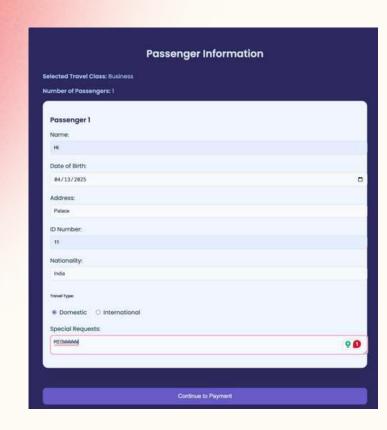
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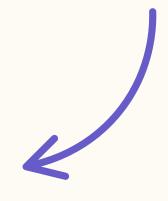
#### Login

Don't have an account? Signup now

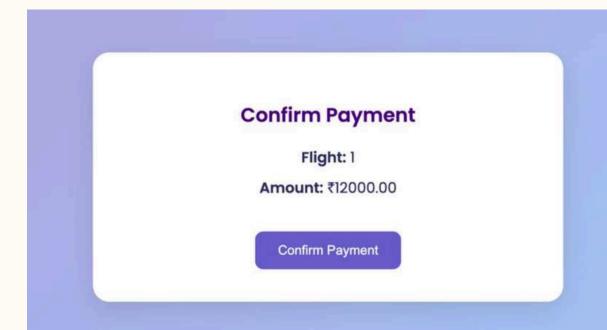


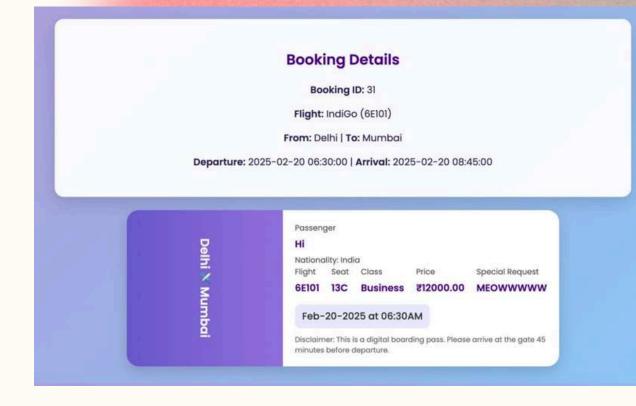


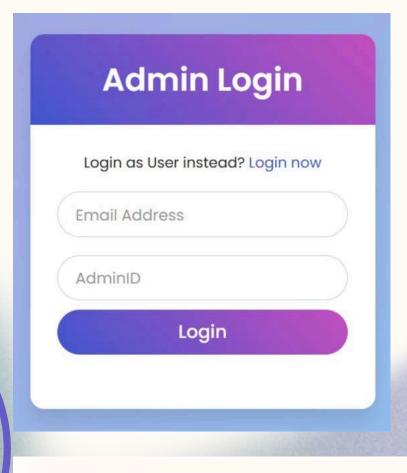


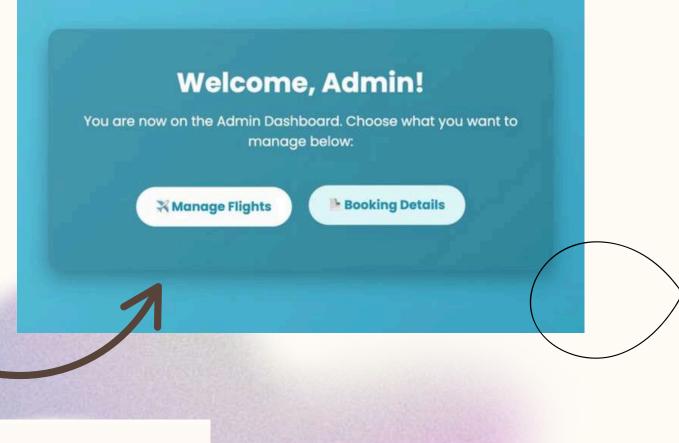


# Our GUI

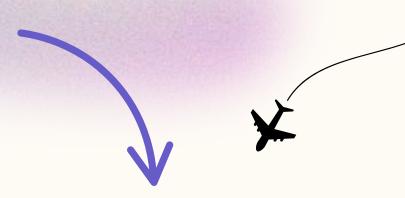












Flight ID

### 3. Get booking & payment details User ID

User ID Run Query

Booking ID	Payment ID	Amount	Method	Status
1	46	\$7500.00	Credit Card	Success

#### 2. Find tickets for a flight

User ID Passenger Name Ticket ID Booking ID Passenger ID

1 Aarav Sharma 40 1 1

23 hi 59 24 20





#### 4. List flight special requests

Flight ID

Run Query

Request ID	Booking ID	Details	Status
1	1	Require Wheelchair assistance from check-in to boarding	Pending
6	24	food	Pending

#### 5. Approve Special Request

7 💲



7 29 MEOWWW Approved

### 1. Monthly Revenue 2

25

Run Query

**Total Revenue for 2/2025:** \$54850.00

#### 2. Flights with Low Bookings

Run Query

Flight ID	Flight Number	Airline	Source	Destination	Total Bookings
2	Al202	Air India	Mumbai	London	1
3	SG303	SpiceJet	Bangalore	Chennai	1

#### 4. View Pending Payments

hi@gmail.com

Run Query

No pending payments found for this user

#### 3. Frequent Users

Run Query

User ID	Name	Email	Total Bookings
23	hi	hi@gmail.com	11

