FLIGHT EXPLORER SCOPE

Purpose :

The primary purpose of the Flight Explorer program is to:

★ Allow users to search for available flights based on their departure city, destination city, and preferred month.
★ Provide detailed flight information, including departure and arrival times, airline, and available seats.
★ Enable users to book flights and manage passenger information.
★ Ensure a user-friendly experience with clear prompts and error handling.

Features :

User Interface

★ Command-line interface for user interaction.
★ Clear prompts and feedback for user inputs.

Flight Search

★ Search for flights based on
  ○ departure city
  ○ destination city
  ○ month
★ Display available flights with details such as
  ○ flight number
  ○ date
  ○ departure and arrival times
  ○ airline

Seat Availability

★ Check seat availability for selected flights.
★ Ensure enough seats are available for the number of passengers.

Booking Management

★ Collect passenger details, including
  ○ name

- ○ date of birth
- ○ passport number
- ○ nationality.
- ★ Select class
  - ○ Business
  - ○ Economy
  - ○ First
- ★ Calculate the total price based on
  - ○ Class type
  - ○ number of passengers
  - ○ applicable discounts
- ★ Meal type :
  - ○ Veg
  - ○ Non-Veg

Payment Processing

- ★ Simulate payment processing by updating the database with booked seats.

Summary and Confirmation

- ★ Provide a summary of the trip before confirming the booking.
- ★ Display detailed information about the booking, including flight details and passenger information.