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20EUT162

FLIGHT TICKET BOOKING API DOCUMENTATION

DESCRIPTION : The Flight Ticket Booking API provides endpoints to manage flight bookings, user authentication, and flight information.

BASE URL : http://localhost:3000/api

USER USE CASES :

USER SIGNUP

Endpoint: /auth/signup
Method: POST
Description: Create a new user account.
Request Body:
   name (string): User's name.
   email (string): User's email.
   password (string): User's password.
Example:

```
curl -X POST -H "Content-Type: application/json" -d '{
        "name": "John Doe",
       "email": "john@example.com",
        "password": "password123"
}' http://localhost:3000/api/auth/signup
```

USER LOGIN

Endpoint: /auth/login
Method: POST
Description: User login to obtain authentication token.
Request Body:
   email (string): User's email.
   password (string): User's password.
Example:

```
curl -X POST -H "Content-Type: application/json" -d '{
        "email": "john@example.com",
        "password": "password123"
}' http://localhost:3000/api/auth/login
```

SEARCH FLIGHTS

Endpoint: /flights/search
Method: GET
Description: Search for available flights based on date and time.
Query Parameters:
   date (string): Date of the flight in "YYYY-MM-DD" format.
   time (string): Time of the flight in "HH:MM" format.
Example:

```
curl -X GET 'http://localhost:3000/api/flights/search?date=2023-06-10&time=09:00'
```

BOOK FLIGHT

Endpoint: /bookings
Method: POST
Description: Book a flight.
Request Body:
userId (string): User ID.
flightId (string): Flight ID.
seatNumber (string): Seat number.
Example:

```
curl -X POST -H "Content-Type: application/json" -d '{
    "userId": "user123",
    "flightId": "flight456",
    "seatNumber": "A5"
}' http://localhost:3000/api/bookings
```

GET USER BOOKINGS

Endpoint: /bookings/user/:userId
Method: GET
Description: Get all bookings made by a user.
Path Parameter:
userId (string): User ID.
Example:
```
curl -X GET http://localhost:3000/api/bookings/user/user123
```

USER LOGOUT

Endpoint: /auth/logout
Method: POST
Description: Logout the user.
Example:
```
curl -X POST http://localhost:3000/api/auth/logout
```

ADMIN USE CASES :

ADMIN LOGIN

Endpoint: /auth/admin-login
Method: POST
Description: Admin login to obtain authentication token.
Request Body:
    email (string): Admin's email.
    password (string): Admin's password.
Example:

```
curl -X POST -H "Content-Type: application/json" -d '{
     "email": "admin@example.com",
      "password": "admin123"
   }' http://localhost:3000/api/auth/admin-login
```

ADD FLIGHT

Endpoint: /flights
Method: POST
Description: Add a new flight.
Request Body:
    flightNumber (string): Flight number.
    date (string): Date of the flight in "YYYY-MM-DD" format.
    time (string): Time of the flight in "HH:MM" format.
Example:

```
curl -X POST -H "Content-Type: application/json" -d '{
     "flightNumber": "FL123",
     "date": "2023-06-10",
     "time": "09:00"
   }' http://localhost:3000/api/flights
```

REMOVE FLIGHT

Endpoint: /flights/:flightId
Method: DELETE
Description: Remove a flight.
Path Parameter:
    flightId (string): Flight ID.
Example:

```
curl -X DELETE http://localhost:3000/api/flights/flight456
```