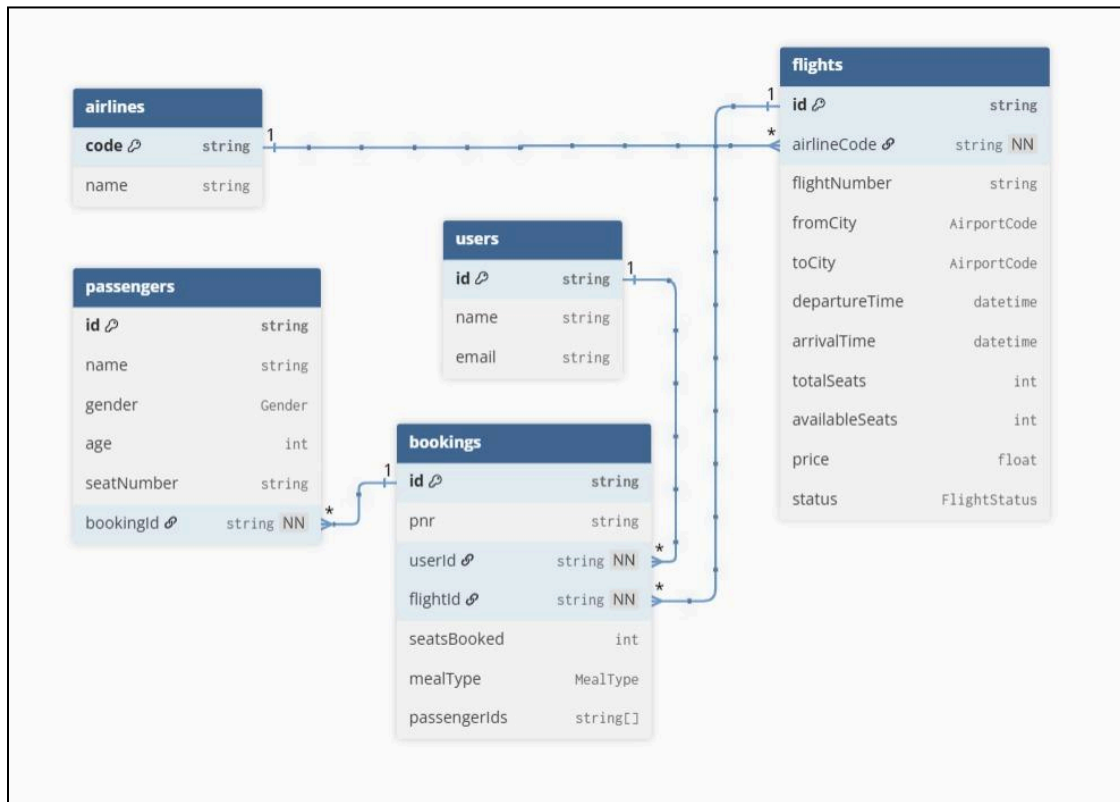


FLIGHT BOOKING SYSTEM - API documentation

(Spring Boot WebFlux + Reactive MongoDB)



AIRLINES

1. Add airline

POST localhost:3000/airlines

Docs Params Auth Headers (9) Body

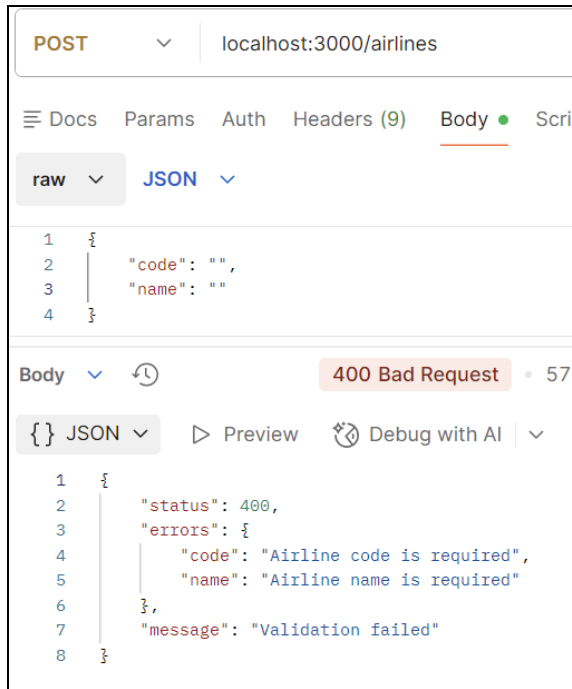
raw JSON

```
1 {
2   "code": "AIR123",
3   "name": "Air India"
4 }
```

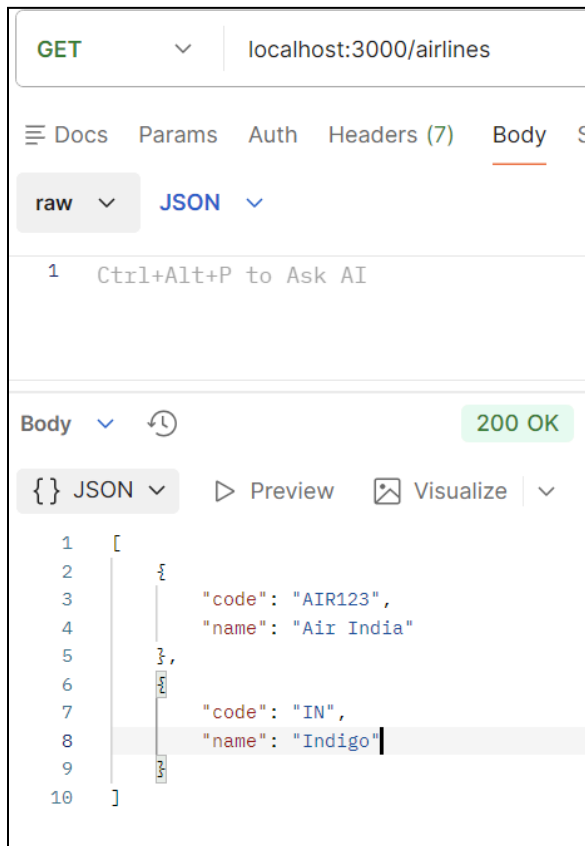
Body 201 Created

Raw Preview Visualize

1 AIR123



2. Get all airlines



3. Get airline using code

GET localhost:3000/airlines/AIR123

Docs Params Auth Headers (7) Body Scripts

Query Params

Key	Value
-----	-------

Body 200 OK • 15 m

{ } JSON Preview Visualize

```
1 {
2   "code": "AIR123",
3   "name": "Air India"
4 }
```

GET localhost:3000/airlines/XYZ

Docs Params Auth Headers (7) Body Scripts

raw Text

1 C++11 API to Ask AT

Body 404 Not Found

{ } JSON Preview Debug with AI

```
1 {
2   "error": "Airline not found"
3 }
```

4. Update airline

PUT localhost:3000/airlines/AIR123

Docs Params Auth Headers (9) Body Scripts

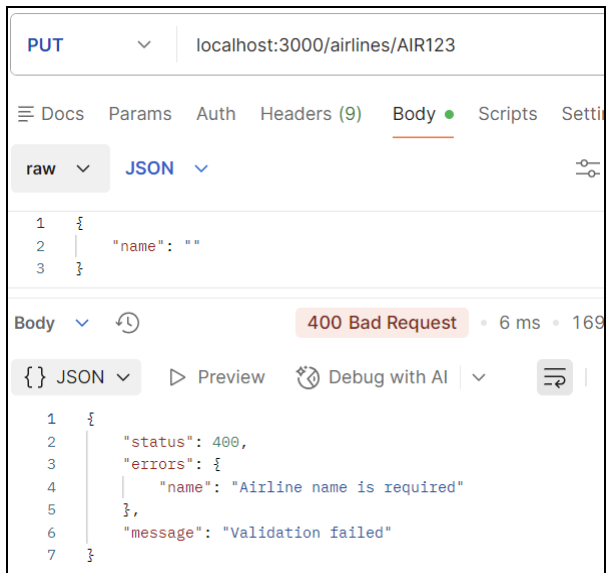
raw JSON

```
1 {
2   "name": "Air India Updated"
3 }
```

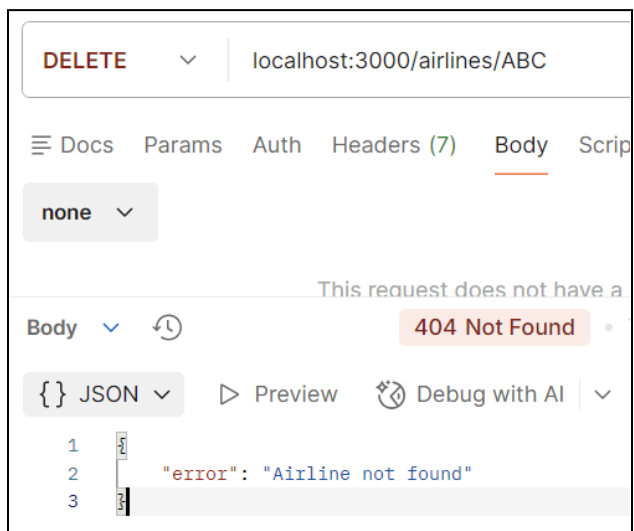
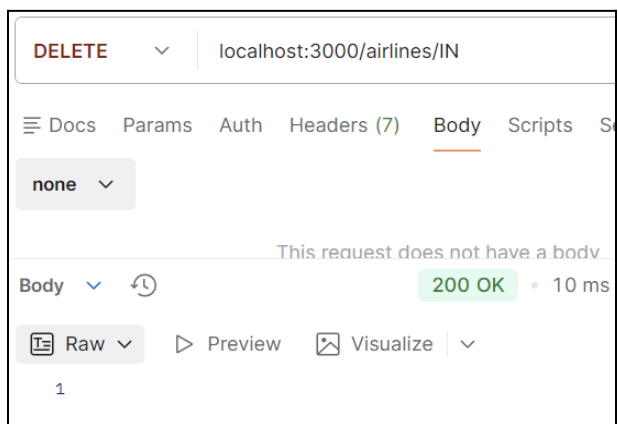
Body 200 OK • 14 m

{ } JSON Preview Visualize

```
1 {
2   "code": "AIR123",
3   "name": "Air India Updated"
4 }
```



5. Delete airline



USER

1. Add user

POST localhost:3000/users

Docs Params Auth Headers (9) Body

raw JSON

```
1 {
2   "name": "Yati",
3   "email": "yati@gmail.com"
4 }
```

Body 201 Created

Raw Preview Visualize

```
1 6924891871a1f640fee93249
```

POST localhost:3000/users

Docs Params Auth Headers (9) Body

raw JSON

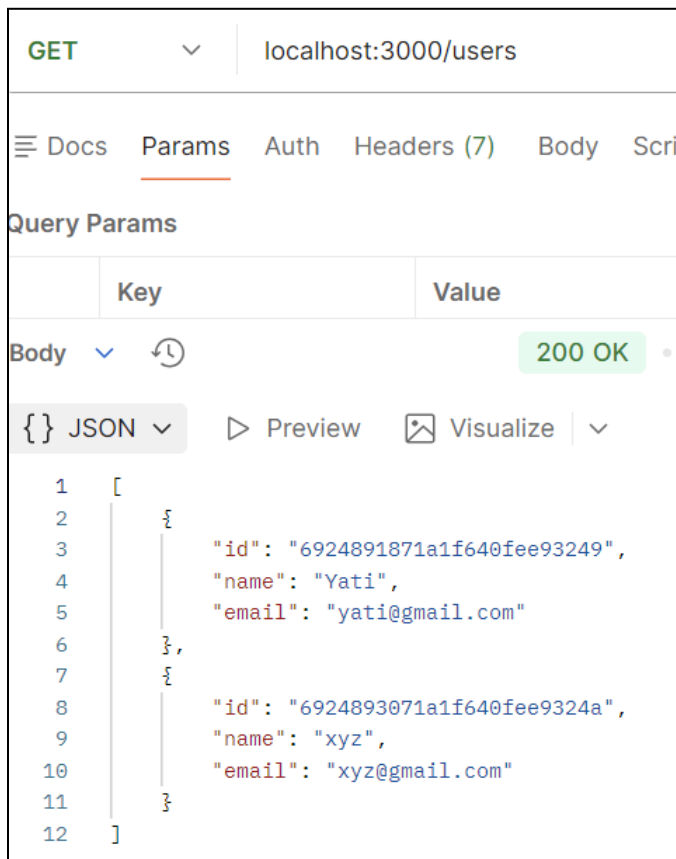
```
1 {
2   "name": "",
3   "email": "wrongemail"
4 }
```

Body 400 Bad Request

{ } JSON Preview Debug with AI

```
1 {
2   "status": 400,
3   "errors": {
4     "name": "User name is required",
5     "email": "Invalid email format"
6   },
7   "message": "Validation failed"
8 }
```

2. Get all users



GET localhost:3000/users

Docs Params Auth Headers (7) Body Scripts

Query Params

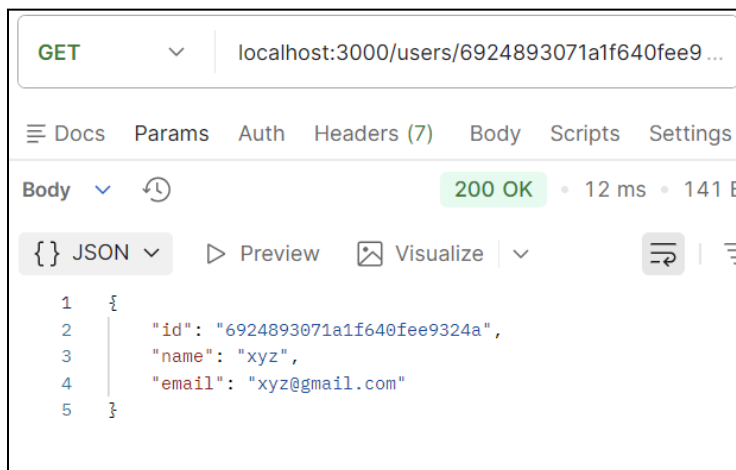
Key	Value
-----	-------

Body 200 OK

JSON Preview Visualize

```
1  [
2    {
3      "id": "6924891871a1f640fee93249",
4      "name": "Yati",
5      "email": "yati@gmail.com"
6    },
7    {
8      "id": "6924893071a1f640fee9324a",
9      "name": "xyz",
10     "email": "xyz@gmail.com"
11   }
12 ]
```

3. Get user by id



GET localhost:3000/users/6924893071a1f640fee9...

Docs Params Auth Headers (7) Body Scripts Settings

Body 200 OK • 12 ms • 141 B

JSON Preview Visualize

```
1  {
2    "id": "6924893071a1f640fee9324a",
3    "name": "xyz",
4    "email": "xyz@gmail.com"
5  }
```

GET localhost:3000/users/1543541

Docs Params Auth Headers (7) Body Scripts

Query Params

Key	Value
Key	Value

Body 404 Not Found

{ } JSON Preview Debug with AI

```
1 {
2   "error": "User not found"
3 }
```

4. Update user

PUT localhost:3000/users/6924893071a1f640fee9 ...

Docs Params Auth Headers (9) Body Scripts Settings

raw JSON

```
1 {
2   "name": "xyzzz Updated",
3   "email": "xyzzupdated@gmail.com"
4 }
```

Body 200 OK • 19 ms • 159 B

{ } JSON Preview Visualize

```
1 {
2   "id": "6924893071a1f640fee9324a",
3   "name": "xyzzz Updated",
4   "email": "xyzzupdated@gmail.com"
5 }
```

PUT localhost:3000/users/69232007066e7447ab3...

Docs Params Auth Headers (9) Body Scripts Settings

raw JSON

```
1 {
2   "name": "",
3   "email": "invalid"
4 }
```

Body 400 Bad Request • 7 ms • 198 B

{ } JSON Preview Debug with AI

```
1 {
2   "status": 400,
3   "errors": {
4     "name": "User name is required",
5     "email": "Invalid email format"
6   },
7   "message": "Validation failed"
8 }
```

5. Delete user

DELETE localhost:3000/users/6924893071a1f640fee9...

Docs Params Auth Headers (7) Body Scripts Settings

Query Params

	Key	Value	Desc...
--	-----	-------	---------

Body 200 OK • 16 ms • 38 B

Raw Preview Visualize

```
1
```

DELETE localhost:3000/users/32133

Docs Params Auth Headers (7) Body Scripts

Query Params

	Key	Value
--	-----	-------

Body 404 Not Found • 7 ms

{ } JSON Preview Debug with AI

```
1 {
2   "error": "User not found"
3 }
```


FLIGHT

1. Add flight

POSTlocalhost:3000/flights/add

DocsParamsAuthHeaders (9)Body ●

rawJSON

```
1  {
2    "airlineCode": "AIR123",
3    "flightNumber": "AI-200",
4    "fromCity": "DEL",
5    "toCity": "BOM",
6    "departureTime": "2026-01-05T10:00:00",
7    "arrivalTime": "2026-01-05T11:30:00",
8    "totalSeats": 200,
9    "availableSeats": 0,
10   "price": 700,
11   "status": "SCHEDULED"
12 }
```

Body 201 Created

RawPreviewVisualize

1 69248b7271a1f640fee9324b

POSTlocalhost:3000/flights/add

DocsParamsAuthHeaders (9)Body ●ScriptsSettings

rawJSON

```
1  {
2    "airlineCode": "AIR123",
3    "flightNumber": "AI-111",
4    "fromCity": "DEL",
5    "toCity": "DEL",
6    "departureTime": "2026-02-10T10:00:00",
7    "arrivalTime": "2026-02-10T09:00:00",
8    "totalSeats": 100,
9    "availableSeats": 0,
10   "price": 3500,
11   "status": "SCHEDULED"
12 }
```

Body 400 Bad Request13 ms132 B

{ } JSONPreviewDebug with AI

```
1  {
2    "error": "source and destination must be different"
3  }
```

POST localhost:3000/flights/add

Docs Params Auth Headers (9) Body Scripts Settings

raw JSON

```
1 {
2   "airlineCode": "AIR123",
3   "flightNumber": "AI-111",
4   "fromCity": "DEL",
5   "toCity": "HYD",
6   "departureTime": "2026-02-10T10:00:00",
7   "arrivalTime": "2026-02-10T09:00:00",
8   "totalSeats": 100,
9   "availableSeats": 0,
10  "price": 3500,
11  "status": "SCHEDULED"
12 }
```

Body 400 Bad Request • 10 ms • 133 B

JSON Preview Debug with AI

```
1 {
2   "error": "arrival time must be after departure time"
3 }
```

POST localhost:3000/flights/add

Docs Params Auth Headers (9) Body Scripts Settings

raw JSON

```
1 {
2   "airlineCode": "XYZ",
3   "flightNumber": "AI-500",
4   "fromCity": "DEL",
5   "toCity": "DEL",
6   "departureTime": "2026-02-12T10:00:00",
7   "arrivalTime": "2026-02-12T04:00:00",
8   "totalSeats": 0,
9   "availableSeats": 0,
10  "price": -10,
11  "status": "SCHEDULED"
12 }
```

Body 400 Bad Request • 11 ms • 133 B

JSON Preview Debug with AI

```
1 {
2   "status": 400,
3   "errors": {
4     "price": "price >= 0",
5     "totalSeats": "totalSeats >= 1"
6   },
7   "message": "Validation failed"
8 }
```

2. Get flight using id

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** localhost:3000/flights/get/69248b7271a1f640...
- Body:** 200 OK • 13 ms • 331
- Response Format:** JSON
- Response Body:**

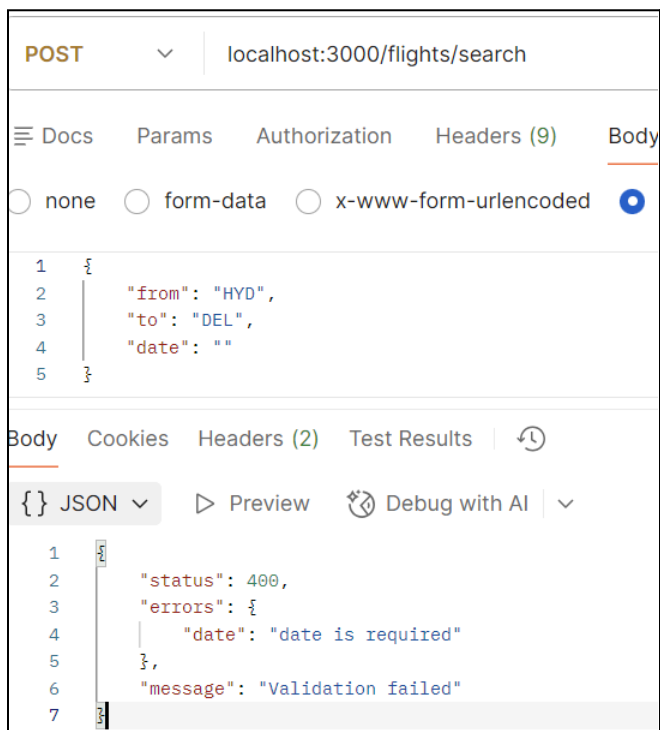
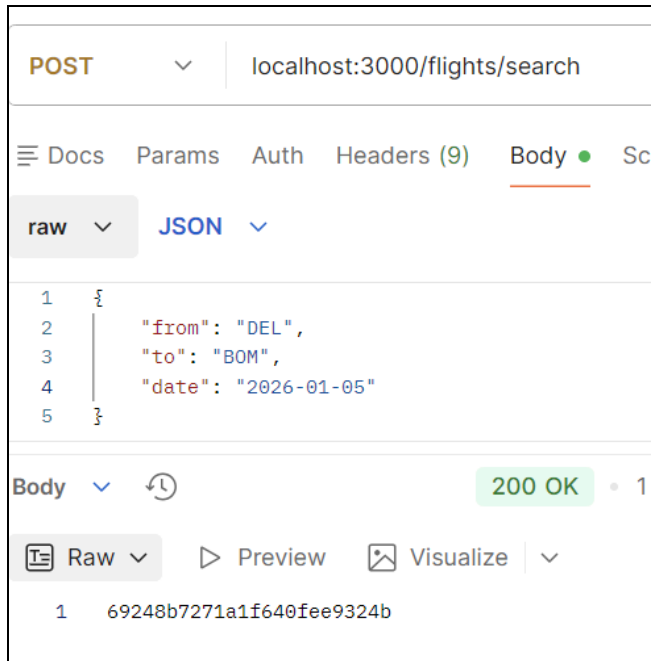
```
1 {
2   "id": "69248b7271a1f640fee9324b",
3   "airlineCode": "AIR123",
4   "flightNumber": "AI-200",
5   "fromCity": "DEL",
6   "toCity": "BOM",
7   "departureTime": "2026-01-05T10:00:00",
8   "arrivalTime": "2026-01-05T11:30:00",
9   "totalSeats": 200,
10  "availableSeats": 200,
11  "price": 700.0,
12  "status": "SCHEDULED"
13 }
```

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** localhost:3000/flights/get/345345
- Body:** 404 Not Found • 8 ms
- Response Format:** JSON
- Response Body:**

```
1 {
2   "error": "Flight not found"
3 }
```

3. Search flight using to , from and date



4. Get all flights of a particular airline

```
GET localhost:3000/airlines/AIR123/flights

Docs Params Auth Headers (7) Body Scripts Settings

Body 200 OK • 7 ms

{} JSON Preview Visualize

1  [
2    {
3      "id": "69248b7271a1f640fee9324b",
4      "airlineCode": "AIR123",
5      "flightNumber": "AI-200",
6      "fromCity": "DEL",
7      "toCity": "BOM",
8      "departureTime": "2026-01-05T10:00:00",
9      "arrivalTime": "2026-01-05T11:30:00",
10     "totalSeats": 200,
11     "availableSeats": 200,
12     "price": 700.0,
13     "status": "SCHEDULED"
14   },
15   {
16     "id": "69248cef71a1f640fee9324c",
17     "airlineCode": "AIR123",
18     "flightNumber": "AI-301",
19     "fromCity": "HYD",
20     "toCity": "DEL",
21     "departureTime": "2025-12-15T10:00:00",
22     "arrivalTime": "2025-12-15T11:30:00",
23     "totalSeats": 180,
```

BOOKING

1. Create booking

POST localhost:3000/bookings/create

Docs Params Auth Headers (9) Body Scripts

raw JSON

```
1 {
2   "flightId": "69248b7271a1f640fee9324b",
3   "userId": "6924891871a1f640fee93249",
4   "seatsBooked": 1,
5   "mealType": "NON_VEG",
6   "flightType": "ONE_WAY",
7   "passengers": [
8     {
9       "name": "xyz",
10      "gender": "M",
11      "age": 21,
12      "seatNumber": "A2"
13    }
14  ]
15 }
```

Body 201 Created

Raw Preview Visualize

1 PNRCA256177

POST localhost:3000/bookings/create

Docs Params Auth Headers (9) Body Scripts S

raw JSON

```
1 {
2   "flightId": "69248b7271a1f640fee9324b",
3   "userId": "213124",
4   "seatsBooked": 1,
5   "mealType": "NON_VEG",
6   "flightType": "ONE_WAY",
7   "passengers": [
8     {
9       "name": "xyz",
10      "gender": "M",
11      "age": 21,
12      "seatNumber": "A2"
13    }
14  ]
15 }
```

Body 404 Not Found 7 r

{ } JSON Preview Debug with AI

```
1 {
2   "error": "User not found"
3 }
```

POST localhost:3000/bookings/create

Docs Params Auth Headers (9) Body ● Script

raw JSON

```
1 {
2   "flightId": "dwefdwe",
3   "userId": "6924891871a1f640fee93249",
4   "seatsBooked": 1,
5   "mealType": "NON_VEG",
6   "flightType": "ONE_WAY",
7   "passengers": [
8     {
9       "name": "xyz",
10      "gender": "M",
11      "age": 21,
12      "seatNumber": "A2"
13    }
14  ]
15 }
```

Body 404 Not Found

{ } JSON Preview Debug with AI

```
1 {
2   "error": "Flight not found"
3 }
```

POST localhost:3000/bookings/create

Docs Params Auth Headers (9) Body ● Scripts Settings

raw JSON

```
1 {
2   "flightId": "69248b7271a1f640fee9324b",
3   "userId": "6924891871a1f640fee93249",
4   "seatsBooked": 2,
5   "mealType": "VEG",
6   "flightType": "ONE_WAY",
7   "passengers": [
8     {
9       "name": "Amit",
10      "gender": "M",
11      "age": 30,
12      "seatNumber": "A1"
13    },
14    {
15      "name": "Rita",
```

Body 400 Bad Request 20 ms

{ } JSON Preview Debug with AI

```
1 {
2   "error": "Seat already booked: A2"
3 }
```

POST localhost:3000/bookings/create

Docs Params Auth Headers (9) Body Scripts Settings

raw JSON

```
1 {
2   "flightId": "69248b7271a1f640fee9324b",
3   "userId": "6924891871a1f640fee93249",
4   "seatsBooked": 2,
5   "mealType": "VEG",
6   "flightType": "ONE_WAY",
7   "passengers": [
8     {
9       "name": "Amit",
10      "gender": "M",
11      "age": 30,
12      "seatNumber": "A9"
13    }
14  ]
15 }
```

Body 400 Bad Request • 14 ms • 138

JSON Preview Debug with AI

```
1 {
2   "error": "Passengers count must be equal to seats booked"
3 }
```

2. Get booking using pnr

GET localhost:3000/bookings/get/PNRCA256177

Docs Params Auth Headers (7) Body Scripts Settings

Body 200 OK • 8 ms

JSON Preview Visualize

```
1 {
2   "id": "69248dac71a1f640fee9324d",
3   "pnr": "PNRCA256177",
4   "userId": "6924891871a1f640fee93249",
5   "flightId": "69248b7271a1f640fee9324b",
6   "seatsBooked": 1,
7   "mealType": "NON_VEG",
8   "flightType": "ONE_WAY",
9   "passengerIds": [
10    "69248dac71a1f640fee9324e"
11  ]
12 }
```


GET localhost:3000/bookings/get/PNR2379

Docs Params Auth Headers (7) Body Scripts Settings

Query Params

Key	Value
Key	Value

Body 404 Not Found

{ } JSON Preview Debug with AI

```
1 {
2   "error": "PNR not found"
3 }
```

3. Get booking details using email id

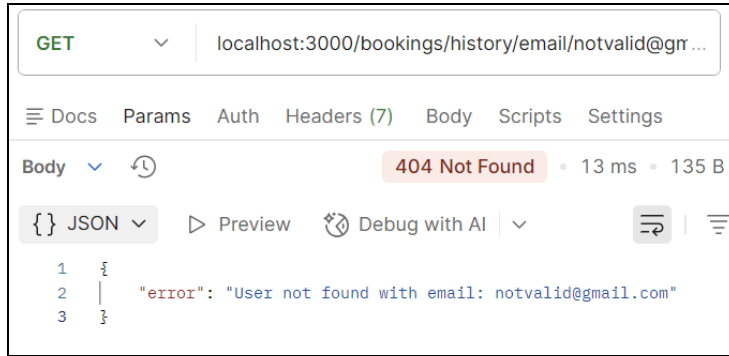
GET localhost:3000/bookings/history/email/yati@gmail.c...

Docs Params Auth Headers (7) Body Scripts Settings

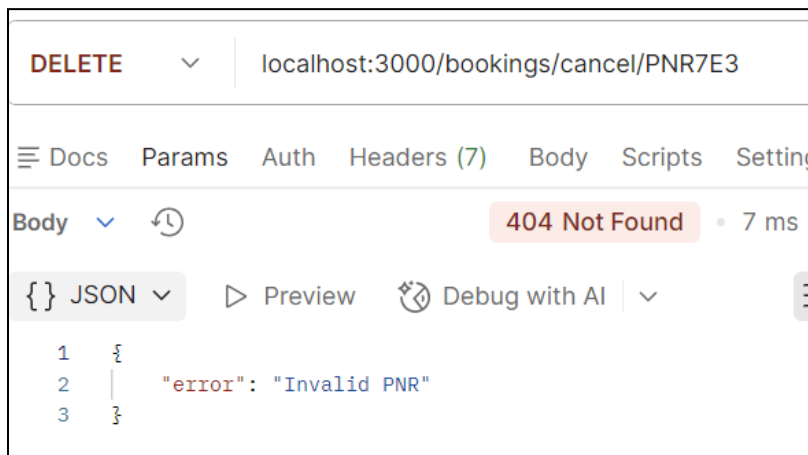
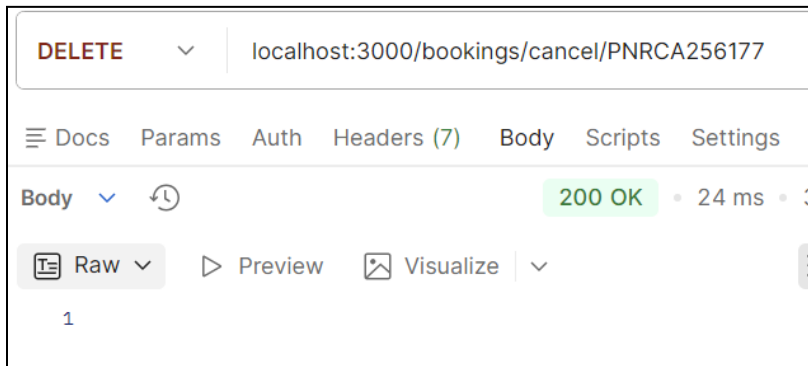
Body 200 OK 10 ms 540 B

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": "69248dac71a1f640fee9324d",
4     "pnr": "PNRCA256177",
5     "userId": "6924891871a1f640fee93249",
6     "flightId": "69248b7271a1f640fee9324b",
7     "seatsBooked": 1,
8     "mealType": "NON_VEG",
9     "flightType": "ONE_WAY",
10    "passengerIds": [
11      "69248dac71a1f640fee9324e"
12    ]
13  },
14  {
15    "id": "69248e8f71a1f640fee9324f",
16    "pnr": "PNR23E67A50",
17    "userId": "6924891871a1f640fee93249",
18    "flightId": "69248cef71a1f640fee9324c",
19    "seatsBooked": 1,
20    "mealType": "VEG",
21    "flightType": "ONE_WAY",
22    "passengerIds": [
23      "69248e8f71a1f640fee93250"
24    ]
25  }
26 ]
```



4. Cancel booking



5. Get all booking done by a user

GET localhost:3000/bookings/history/user/6924891871a...

Docs Params Auth Headers (7) Body Scripts Settings

Body 200 OK • 7 ms • 308 B

{ } JSON Preview Visualize

```
1  [
2    {
3      "id": "69248e8f71a1f640fee9324f",
4      "pnr": "PNR23E67A50",
5      "userId": "6924891871a1f640fee93249",
6      "flightId": "69248cef71a1f640fee9324c",
7      "seatsBooked": 1,
8      "mealType": "VEG",
9      "flightType": "ONE_WAY",
10     "passengerIds": [
11       "69248e8f71a1f640fee93250"
12     ]
13   }
14 ]
```