

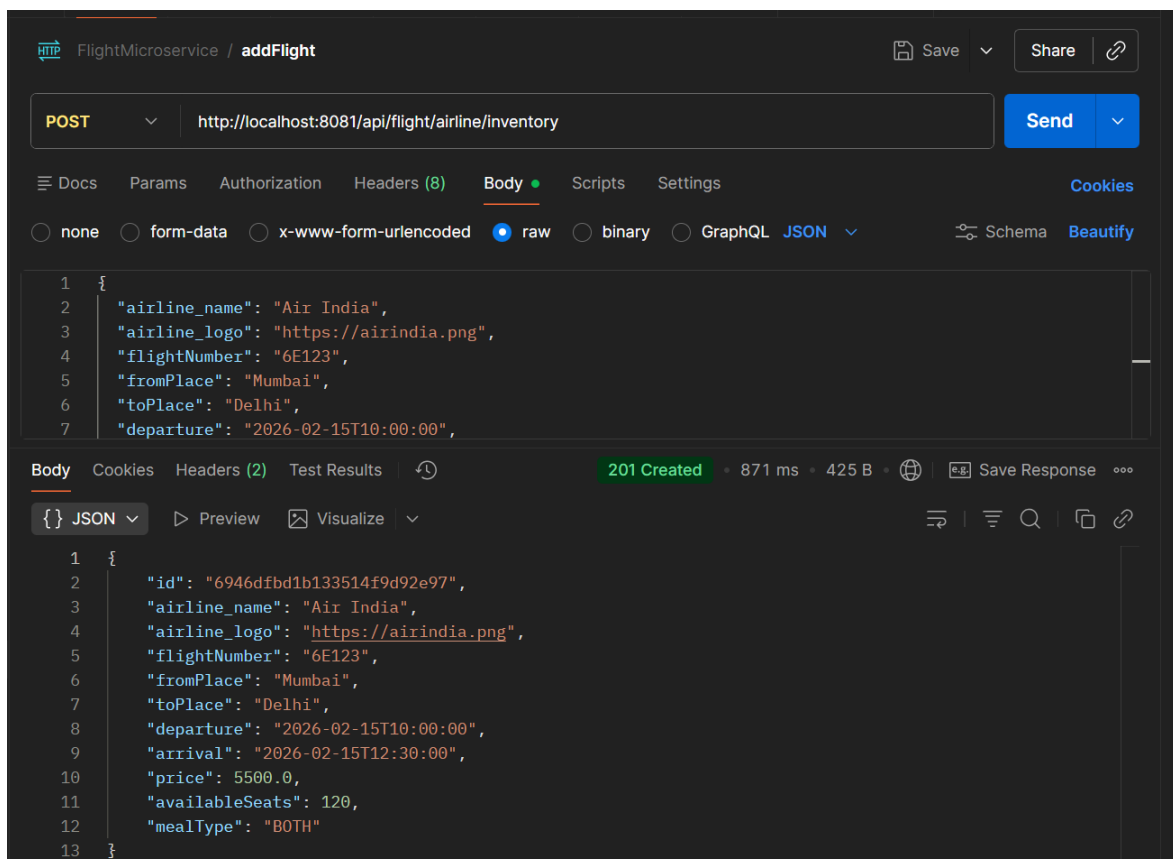
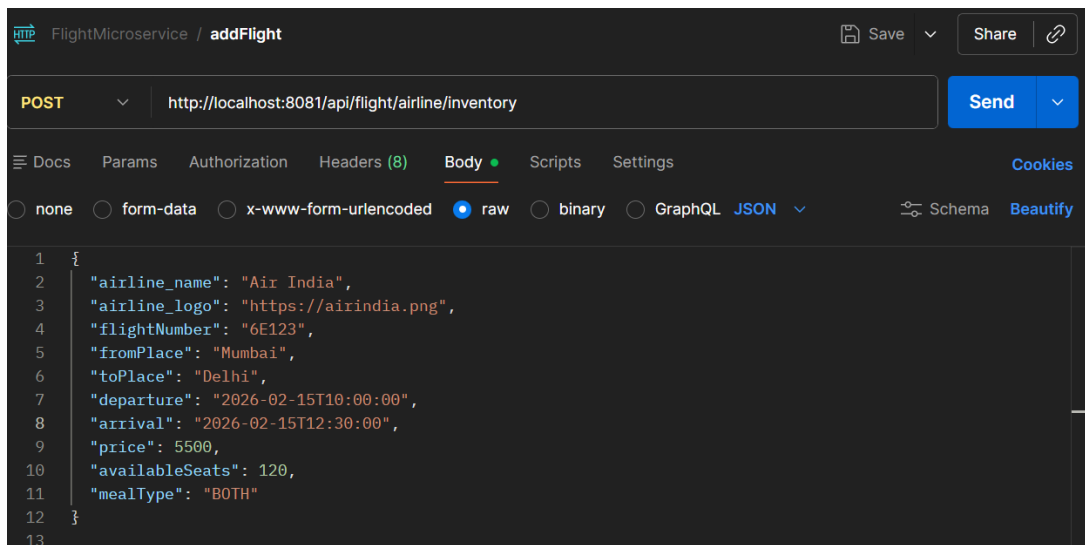
MICROSERVICES ASSIGNMENT

NEHA SHARMA

POSTMAN

1) FLIGHT_MICROSERVICE

<http://localhost:8081/api/flight/airline/inventory>



FlightMicroservice / **addFlight** Save Share

POST ▼ http://localhost:8081/api/flight/airline/inventory Send ▼

Docs Params Authorization Headers (8) **Body** ● Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼ Schema Beautify

```
1 {
2   "airline_name": "",
3   "airline_logo": "https://indigo.png",
4   "flightNumber": "6E123",
5   "fromPlace": "Mumbai",
6   "toPlace": "Delhi",
7   "departure": "2026-02-20T10:00:00",
8   "arrival": "2026-02-20T12:30:00",
9   "price": 5500,
10  "availableSeats": 120,
11  "mealType": "BOTH"
12 }
```

Body Cookies Headers (2) Test Results 🔄 **400 Bad Request** • 989 ms • 301 B • 🌐 Save Response ⋮

{} **JSON** ▼ ▶ Preview 🐞 Debug with AI ▼ 🔍 📄 🔗

```
1 {
2   "validationErrors": {
3     "airline_name": "must not be blank"
4   },
5   "error": "Validation Failed",
6   "message": "Input validation failed",
7   "timestamp": "2025-12-20T13:01:37.0879039",
8   "status": 400
9 }
```

http://localhost:8081/api/flight/search

FlightMicroservice / **searchFlight** Save Share

POST ▼ http://localhost:8081/api/flight/search Send ▼

Docs Params Authorization Headers (8) **Body** ● Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼ Schema Beautify

```
1 {
2   "fromPlace": "Delhi",
3   "toPlace": "Mumbai",
4   "travelDate": "2026-02-15",
5   "returnDate": "2026-02-20",
6   "tripType": "ROUND_TRIP"
7 }
8
```

Body Cookies Headers (2) Test Results 200 OK • 377 ms • 1.42 KB • Save Response

{ } JSON Preview Visualize

```
1 {
2   "id": "694317de950e240f7686bc79",
3   "airline_name": "AIRASIA",
4   "airline_logo": "https://indigo.png",
5   "flightNumber": "6E123",
6   "fromPlace": "Mumbai",
7   "toPlace": "Delhi",
8   "departure": "2026-02-20T10:00:00",
9   "arrival": "2026-02-20T12:30:00",
10  "price": 5500.0,
11  "availableSeats": 104,
12  "mealType": "BOTH"
13 }
14
```

Body Cookies Headers (2) Test Results 200 OK • 377 ms • 1.42 KB • Save Response

{ } JSON Preview Visualize

```
41 {
42   "id": "6945af0a0d7f02024a7d82c5",
43   "airline_name": "INDIGO",
44   "airline_logo": "https://indigo.png",
45   "flightNumber": "6E123",
46   "fromPlace": "Mumbai",
47   "toPlace": "Delhi",
48   "departure": "2026-02-20T10:00:00",
49   "arrival": "2026-02-20T12:30:00",
50   "price": 5500.0,
51   "availableSeats": 120,
52   "mealType": "BOTH"
53 }
54
```

FlightMicroservice / searchFlight Save Share

POST http://localhost:8081/api/flight/search Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

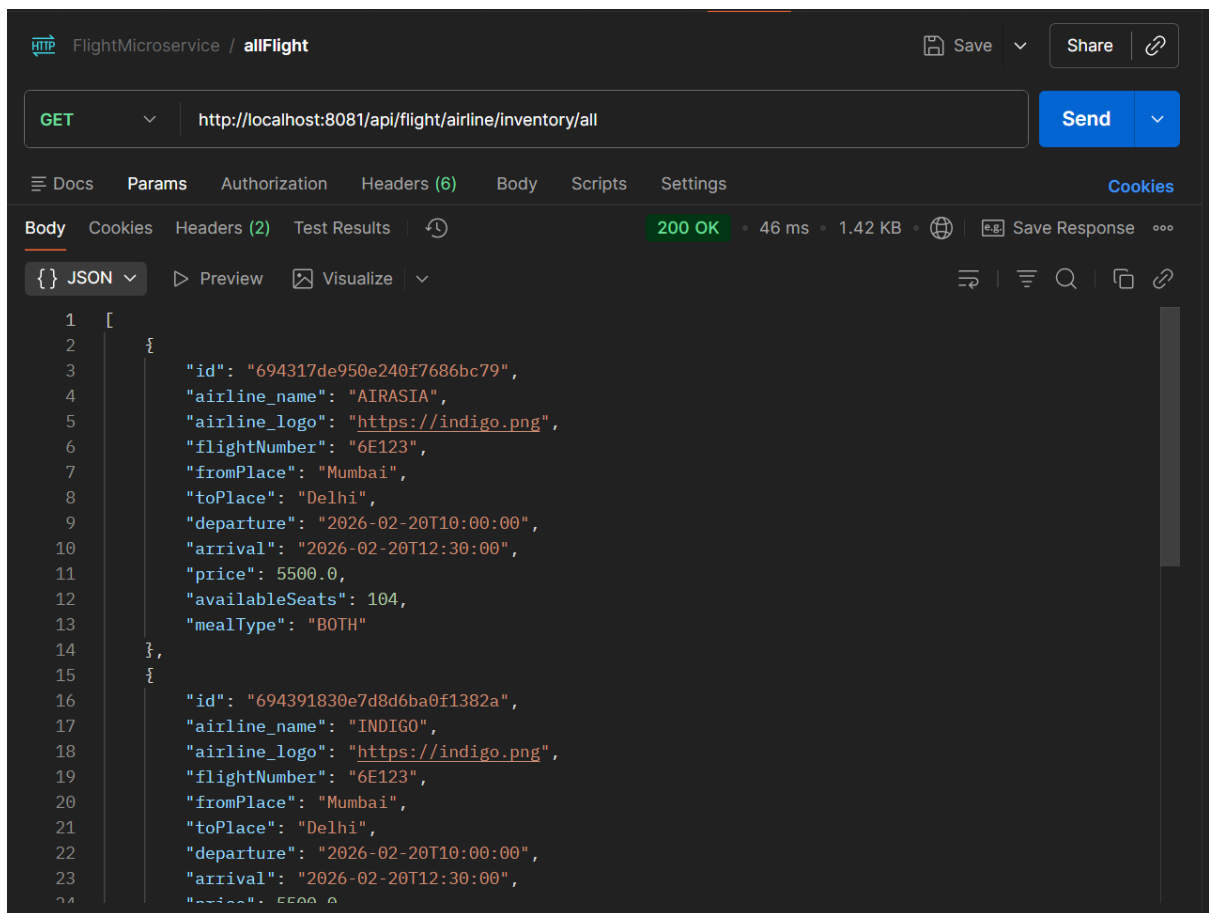
```
1 {
2   "fromPlace": "Delhi",
3   "toPlace": "Mumbai",
4   "travelDate": "2025-02-15",
5   "returnDate": "2025-02-16",
6   "tripType": "ROUND_TRIP"
7 }
8
```

Body Cookies Headers (2) Test Results 400 Bad Request • 17 ms • 315 B • Save Response

{ } JSON Preview Debug with AI

```
1 {
2   "validationErrors": {
3     "travelDate": "Travel date must be in the future"
4   },
5   "error": "Validation Failed",
6   "message": "Input validation failed",
7   "timestamp": "2025-12-20T13:03:25.2404484",
8   "status": 400
9 }
```

<http://localhost:8081/api/flight/airline/inventory/all>



FlightMicroservice / allFlight

GET <http://localhost:8081/api/flight/airline/inventory/all> Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

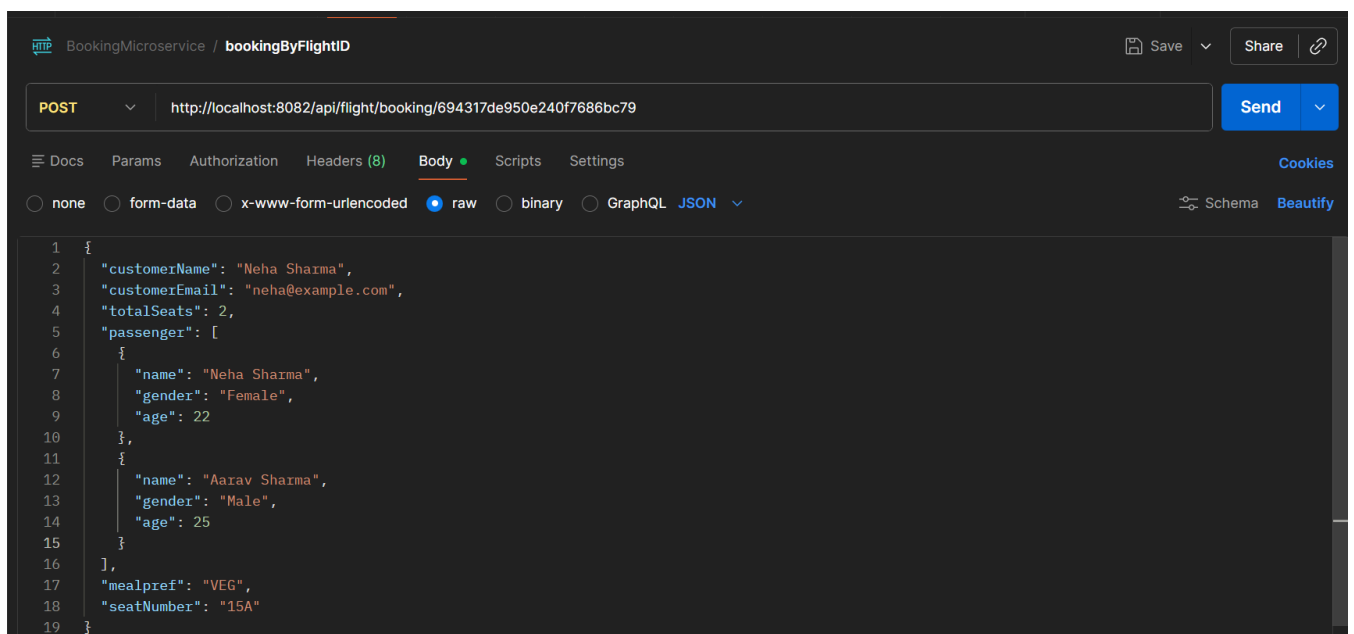
Body Cookies Headers (2) Test Results 200 OK • 46 ms • 1.42 KB Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": "694317de950e240f7686bc79",
4     "airline_name": "AIRASIA",
5     "airline_logo": "https://indigo.png",
6     "flightNumber": "6E123",
7     "fromPlace": "Mumbai",
8     "toPlace": "Delhi",
9     "departure": "2026-02-20T10:00:00",
10    "arrival": "2026-02-20T12:30:00",
11    "price": 5500.0,
12    "availableSeats": 104,
13    "mealType": "BOTH"
14  },
15  {
16    "id": "694391830e7d8d6ba0f1382a",
17    "airline_name": "INDIGO",
18    "airline_logo": "https://indigo.png",
19    "flightNumber": "6E123",
20    "fromPlace": "Mumbai",
21    "toPlace": "Delhi",
22    "departure": "2026-02-20T10:00:00",
23    "arrival": "2026-02-20T12:30:00",
24    "price": 5500.0
```

2) BOOKING MICROSERVICE

<http://localhost:8082/api/flight/booking/694317de950e240f7686bc79>



BookingMicroservice / bookingByFlightID

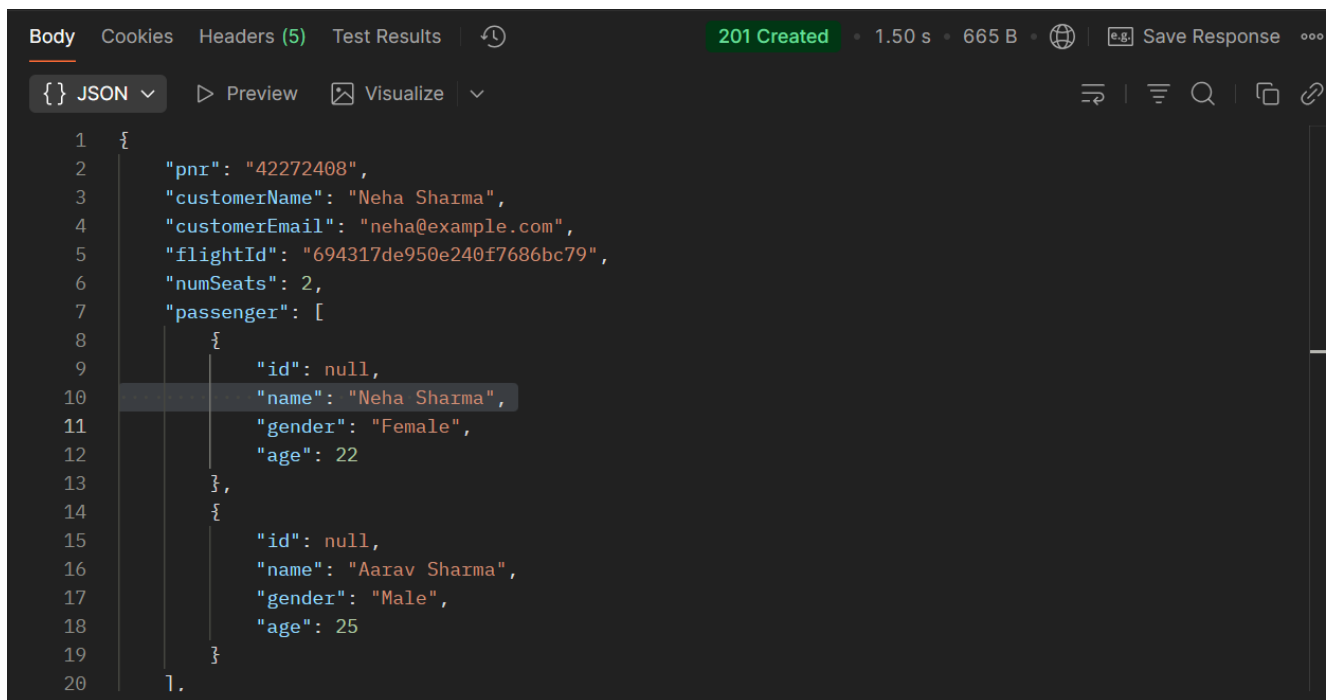
POST <http://localhost:8082/api/flight/booking/694317de950e240f7686bc79> Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

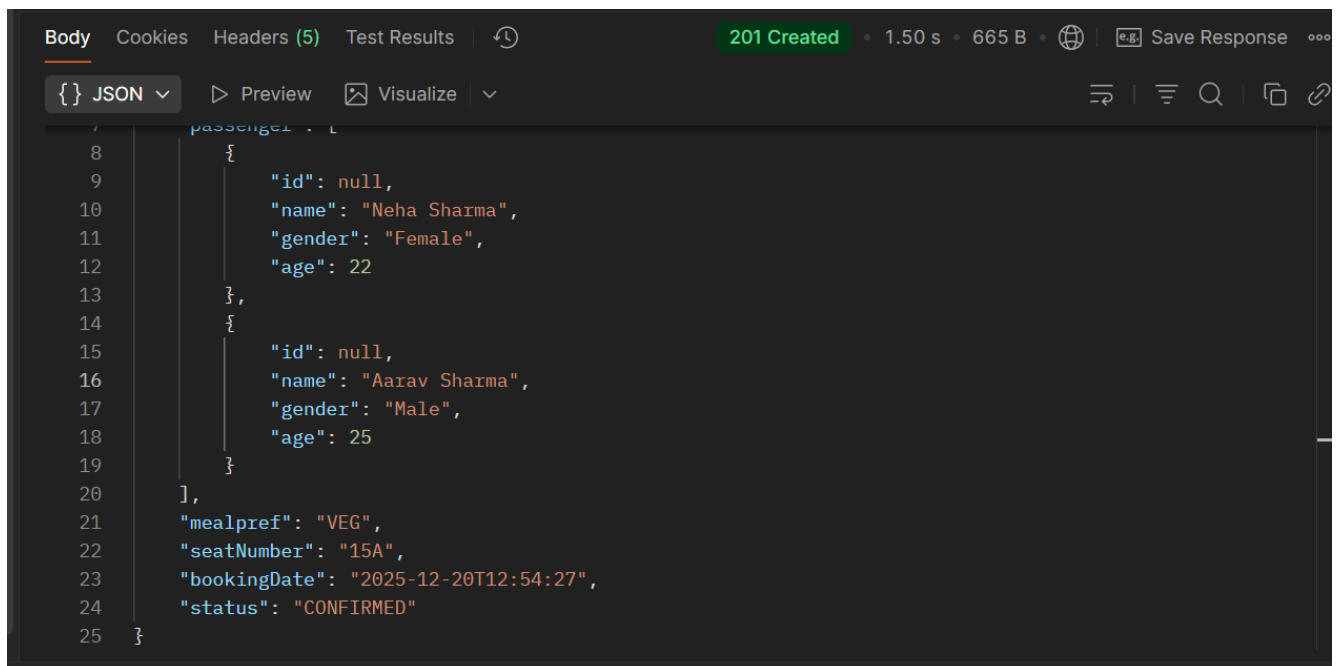
```
1 {
2   "customerName": "Neha Sharma",
3   "customerEmail": "neha@example.com",
4   "totalSeats": 2,
5   "passenger": [
6     {
7       "name": "Neha Sharma",
8       "gender": "Female",
9       "age": 22
10    },
11    {
12      "name": "Aarav Sharma",
13      "gender": "Male",
14      "age": 25
15    }
16  ],
17   "mealpref": "VEG",
18   "seatNumber": "15A"
19 }
```

OUTPUT:



A screenshot of a REST client interface. The top bar shows '201 Created', '1.50 s', '665 B', and a 'Save Response' button. The 'Body' tab is selected, showing a JSON response. The JSON is a flight booking object with fields: pnr, customerName, customerEmail, flightId, numSeats, and a passenger array. The passenger array contains two objects for Neha Sharma (Female, age 22) and Aarav Sharma (Male, age 25). The interface includes tabs for Body, Cookies, Headers (5), and Test Results, along with icons for Preview, Visualize, and other actions.

```
1 {
2   "pnr": "42272408",
3   "customerName": "Neha Sharma",
4   "customerEmail": "neha@example.com",
5   "flightId": "694317de950e240f7686bc79",
6   "numSeats": 2,
7   "passenger": [
8     {
9       "id": null,
10      "name": "Neha Sharma",
11      "gender": "Female",
12      "age": 22
13    },
14    {
15      "id": null,
16      "name": "Aarav Sharma",
17      "gender": "Male",
18      "age": 25
19    }
20  ],
21 }
```



A continuation of the REST client interface showing the rest of the JSON response. The passenger array continues with the details for Aarav Sharma. The booking object also includes mealpref, seatNumber, bookingDate, and status fields. The interface elements are consistent with the previous screenshot.

```
19    }
20  ],
21  "mealpref": "VEG",
22  "seatNumber": "15A",
23  "bookingDate": "2025-12-20T12:54:27",
24  "status": "CONFIRMED"
25 }
```

http://localhost:8082/api/flight/ticket/B3ECE00C

HTTP

BookingMicroservice / ticketByPNR

Save

Share

GET

http://localhost:8082/api/flight/ticket/B3ECE00C

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Body

Cookies

Headers (5)

Test Results

200 OK

656 ms

660 B

Save Response

{}

JSON

Preview

Visualize

```
1 {
2   "pnr": "B3ECE00C",
3   "customerName": "Neha Sharma",
4   "customerEmail": "neha@example.com",
5   "flightId": "694317de950e240f7686bc79",
6   "numSeats": 2,
7   "passenger": [
8     {
9       "id": null,
10      "name": "Neha Sharma",
11      "gender": "Female",
12      "age": 22
13    },
14    {
15      "id": null,
16      "name": "Aarav Sharma",
17      "gender": "Male",
18      "age": 25
19    }
20  ],
21   "mealpref": "VEG",
22   "seatNumber": "15A",
23   "bookingDate": "2025-12-19T05:42:16",
24   "status": "CONFIRMED"
25 }
```

HTTP

BookingMicroservice / ticketByPNR

Save

Share

GET

http://localhost:8082/api/flight/ticket/B3ECE00B

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

Key	Value	Description		Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

404 Not Found

481 ms

206 B

Save Response

Raw

Preview

Debug with AI

```
1 Ticket not found with PNR: B3ECE00B
```

<http://localhost:8082/api/flight/booking/history/neha@gmail.com>

BookingMicroservice / ticketByEmail

GET <http://localhost:8082/api/flight/booking/history/neha@gmail.com> Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

Body Cookies Headers (6) Test Results 200 OK • 399 ms • 706 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "pnr": "CED9C1F4",
4     "customerName": "Neha Sharma",
5     "customerEmail": "neha@gmail.com",
6     "flightId": "694317de950e240f7686bc79",
7     "numSeats": 2,
8     "passenger": [
9       {
10        "id": null,
11        "name": "Neha Sharma",
12        "gender": "Female",
13        "age": 22
14      },
15      {
16        "id": null,
17        "name": "Aarav Sharma",
18        "gender": "Male",
19        "age": 25
20      }
21    ],
22     "mealpref": "VEG",
23     "seatNumber": "15A",
24     "bookingDate": "2025-12-20T14:37:21",
25     "status": "CONFIRMED"
26   }
27 ]
```

BookingMicroservice / ticketByEmail

GET <http://localhost:8082/api/flight/booking/history/arnav@gmail.com> Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies Headers (6) Test Results 404 Not Found • 177 ms • 266 B Save Response

Raw Preview Debug with AI

```
1 No booking history found for email: arnav@gmail.com
```

http://localhost:8082/api/flight/booking/cancel/7987240E

HTTP

BookingMicroservice / cancelTicket

Save

Share

DELETE

http://localhost:8082/api/flight/booking/cancel/7987240E

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

	Key	Value	Description	Bulk Edit
--	-----	-------	-------------	-----------

Body

Cookies

Headers (5)

Test Results

200 OK

845 ms

205 B

Save Response

Raw

Preview

Visualize

1

Ticket cancelled and removed successfully

HTTP

BookingMicroservice / cancelTicket

Save

Share

DELETE

http://localhost:8082/api/flight/booking/cancel/7987240E

Send

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

	Key	Value	Description	Bulk Edit
--	-----	-------	-------------	-----------

Body

Cookies

Headers (5)

Test Results

404 Not Found

15 ms

206 B

Save Response

Raw

Preview

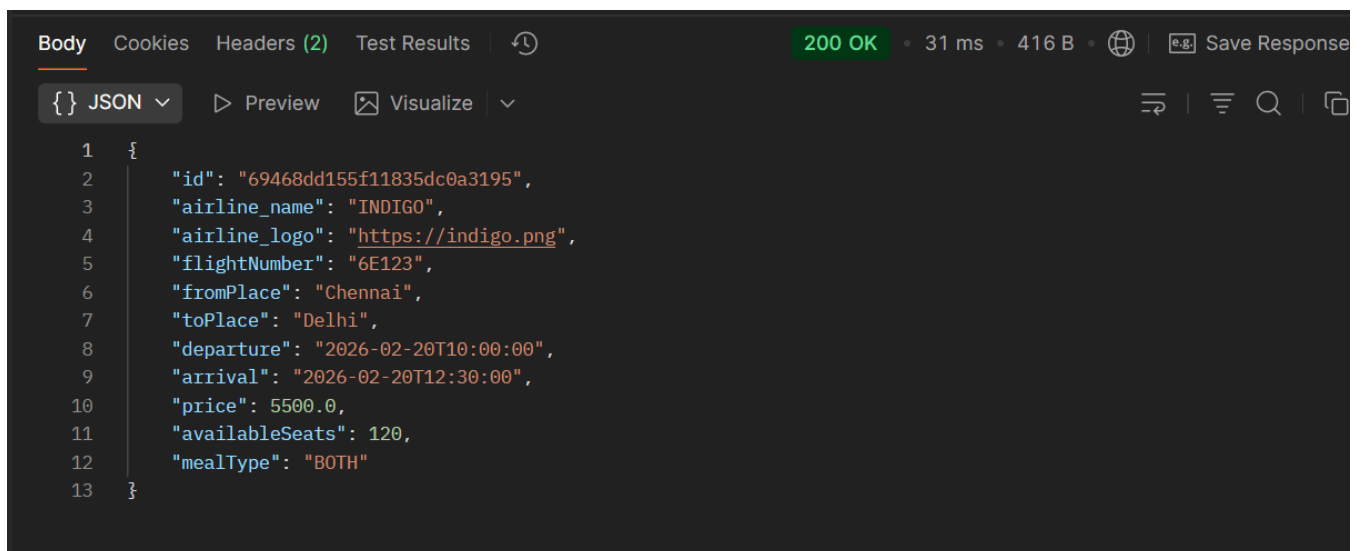
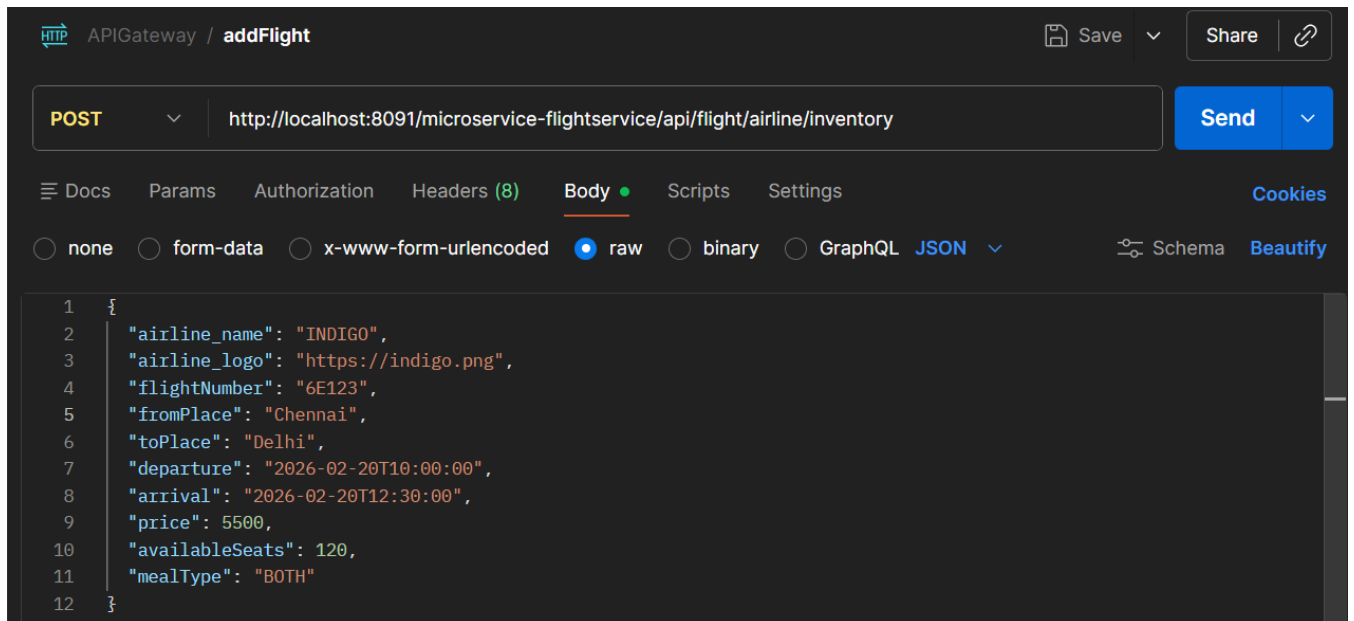
Debug with AI

1

Ticket not found with PNR: 7987240E

3) API_GATEWAY

http://localhost:8091/microservice-flightservice/api/flight/airline/inventory



http://localhost:8091/microservice-flightservice/api/flight/search

APIGateway / searchFlight

POST http://localhost:8091/microservice-flightservice/api/flight/search

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "fromPlace": "Delhi",
3   "toPlace": "Chennai",
4   "travelDate": "2026-02-15",
5   "returnDate": "2026-02-20",
6   "tripType": "ROUND_TRIP"
7 }
```

Body Cookies Headers (2) Test Results 200 OK • 50 ms • 770 B

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": "69468e0f55f11835dc0a3196",
4     "airline_name": "INDIGO",
5     "airline_logo": "https://indigo.png",
6     "flightNumber": "6E123",
7     "fromPlace": "Delhi",
8     "toPlace": "Chennai",
9     "departure": "2026-02-15T10:00:00",
10    "arrival": "2026-02-15T12:30:00",
11    "price": 5500.0,
12    "availableSeats": 120,
13    "mealType": "BOTH"
14  },
15  {
16    "id": "69468dd155f11835dc0a3195",
17    "airline_name": "INDIGO",
18    "airline_logo": "https://indigo.png",
19    "flightNumber": "6E123",
20    "fromPlace": "Chennai",
21    "toPlace": "Delhi",
22    "departure": "2026-02-20T10:00:00",
23    "arrival": "2026-02-20T12:30:00",
24    "price": 5500.0,
25    "availableSeats": 120,
26    "mealType": "BOTH"
27  }
28 ]
```

POST http://localhost:8091/microservice-flightservice/api/flight/search

Send

Docs Params Authorization Headers (8) Body Scripts Settings

Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

Schema Beautify

```
1 {
2   "fromPlace": "Chennai",
3   "toPlace": "Delhi",
4   "travelDate": "2026-02-20",
5   "tripType": "ONE_WAY"
6 }
```

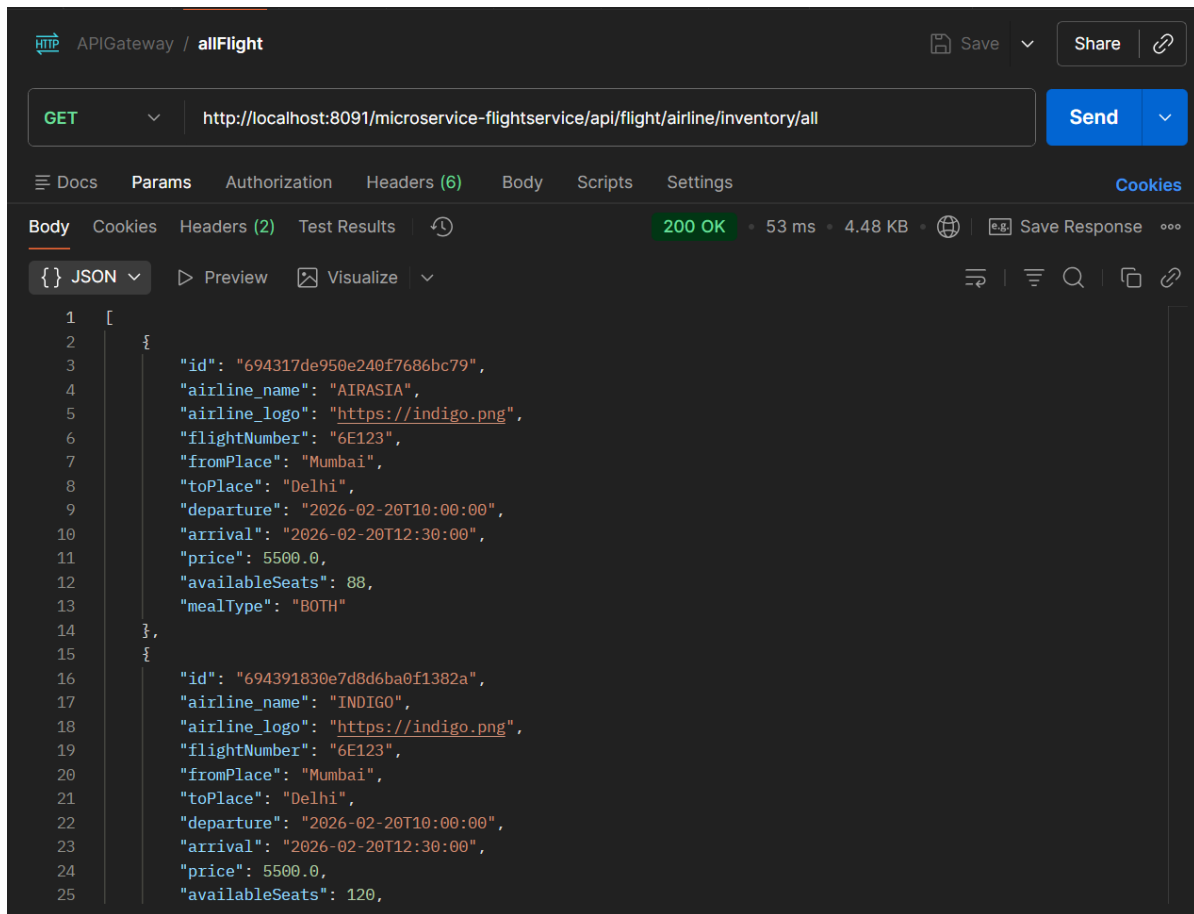
Body Cookies Headers (2) Test Results

200 OK • 36 ms • 425 B • Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": "69468dd155f11835dc0a3195",
4     "airline_name": "INDIGO",
5     "airline_logo": "https://indigo.png",
6     "flightNumber": "6E123",
7     "fromPlace": "Chennai",
8     "toPlace": "Delhi",
9     "departure": "2026-02-20T10:00:00",
10    "arrival": "2026-02-20T12:30:00",
11    "price": 5500.0,
12    "availableSeats": 120,
13    "mealType": "BOTH"
14  }
15 ]
```

http://localhost:8091/microservice-flightservice/api/flight/airline/inventory/all



APIGateway / allFlight

GET ▼ http://localhost:8091/microservice-flightservice/api/flight/airline/inventory/all Send ▼

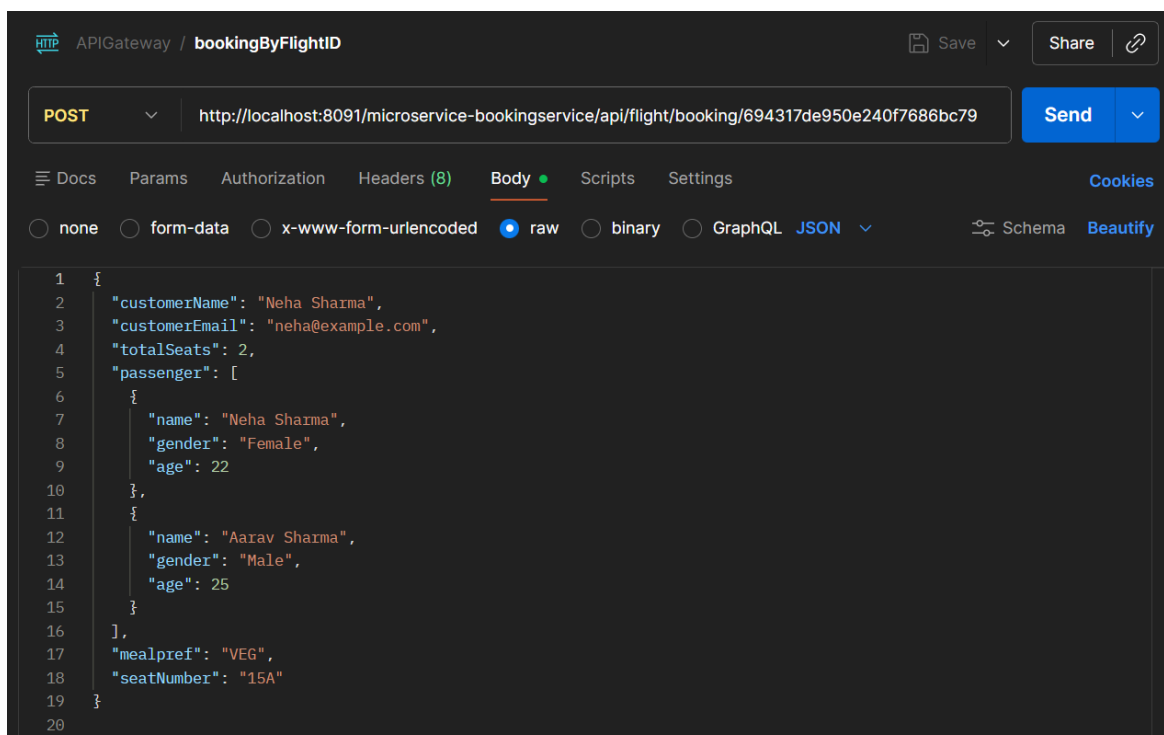
Docs Params Authorization Headers (6) Body Scripts Settings Cookies

Body Cookies Headers (2) Test Results ↺ 200 OK • 53 ms • 4.48 KB • 🌐 📄 Save Response ⋮

{} JSON ▼ ▶ Preview 🖼️ Visualize ▼ 🔍 📄 🔗

```
1  [
2    {
3      "id": "694317de950e240f7686bc79",
4      "airline_name": "AIRASIA",
5      "airline_logo": "https://indigo.png",
6      "flightNumber": "6E123",
7      "fromPlace": "Mumbai",
8      "toPlace": "Delhi",
9      "departure": "2026-02-20T10:00:00",
10     "arrival": "2026-02-20T12:30:00",
11     "price": 5500.0,
12     "availableSeats": 88,
13     "mealType": "BOTH"
14   },
15   {
16     "id": "694391830e7d8d6ba0f1382a",
17     "airline_name": "INDIGO",
18     "airline_logo": "https://indigo.png",
19     "flightNumber": "6E123",
20     "fromPlace": "Mumbai",
21     "toPlace": "Delhi",
22     "departure": "2026-02-20T10:00:00",
23     "arrival": "2026-02-20T12:30:00",
24     "price": 5500.0,
25     "availableSeats": 120,
```

http://localhost:8091/microservice-bookingservice/api/flight/booking/694317de950e240f7686bc79



APIGateway / bookingByFlightID

POST ▼ http://localhost:8091/microservice-bookingservice/api/flight/booking/694317de950e240f7686bc79 Send ▼

Docs Params Authorization Headers (8) Body ● Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON ▼ 🔗 Schema 🌟 Beautify

```
1  {
2    "customerName": "Neha Sharma",
3    "customerEmail": "neha@example.com",
4    "totalSeats": 2,
5    "passenger": [
6      {
7        "name": "Neha Sharma",
8        "gender": "Female",
9        "age": 22
10     },
11     {
12       "name": "Aarav Sharma",
13       "gender": "Male",
14       "age": 25
15     }
16   ],
17   "mealpref": "VEG",
18   "seatNumber": "15A"
19 }
20
```

Body

201 Created

• 136 ms

• 617 B



e.g.



{ } JSON

▶ Preview

🖼 Visualize



```
1  {
2    "pnr": "3FCEBD12",
3    "customerName": "Neha Sharma",
4    "customerEmail": "neha@example.com",
5    "flightId": "694317de950e240f7686bc79",
6    "numSeats": 2,
7    "passenger": [
8      {
9        "id": null,
10       "name": "Neha Sharma",
11       "gender": "Female",
12       "age": 22
13     },
14     {
15       "id": null,
16       "name": "Aarav Sharma",
17       "gender": "Male",
18       "age": 25
19     }
20   ],
21   "mealpref": "VEG",
22   "seatNumber": "15A",
23   "bookingDate": "2025-12-20T17:28:36",
24   "status": "CONFIRMED"
25 }
```

http://localhost:8091/microservice-bookingservice/api/flight/ticket/3FCEBD12

APIGateway / ticketbyPNR

SaveShare

GEThttp://localhost:8091/microservice-bookingservice/api/flight/ticket/3FCEBD12Send

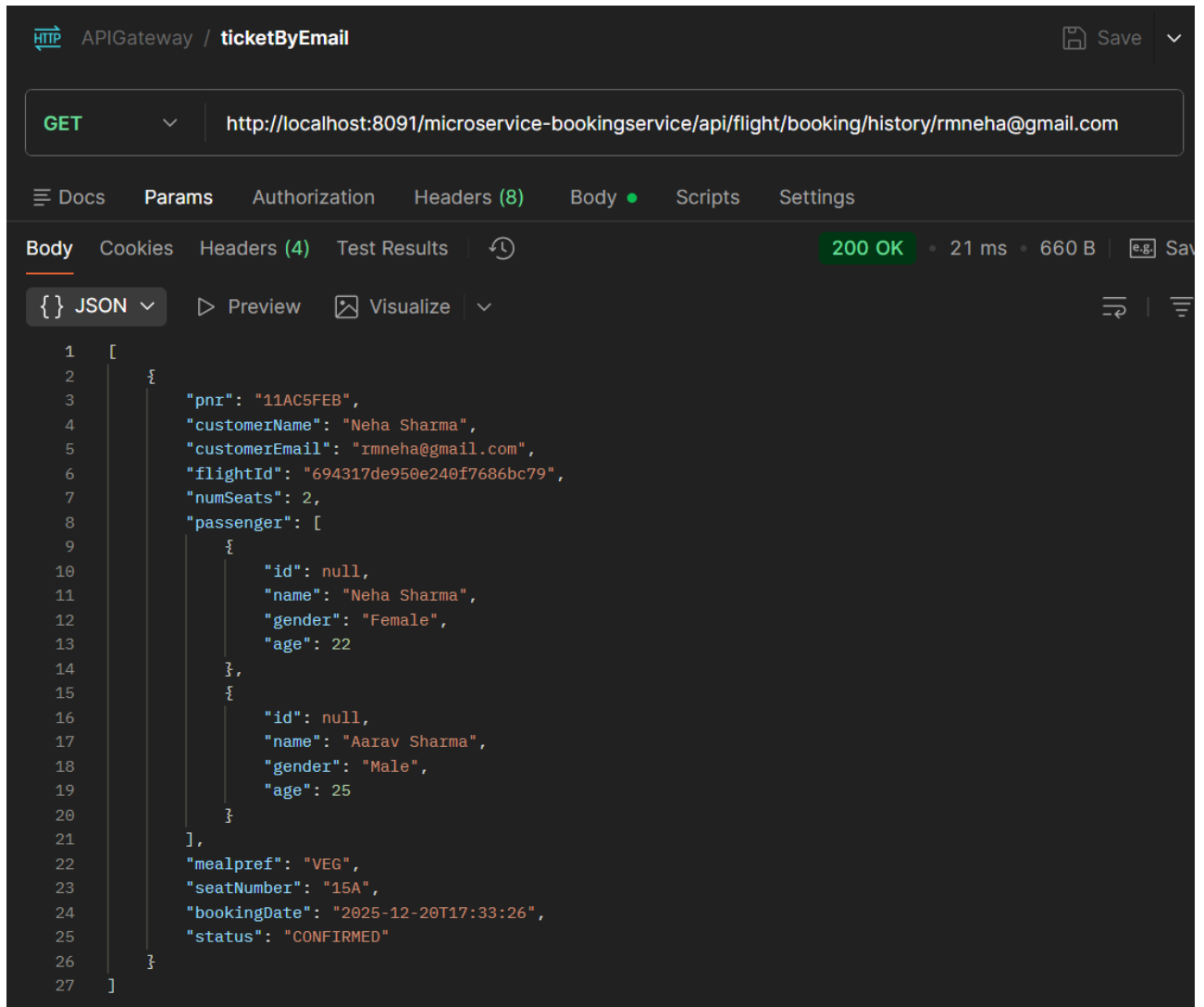
DocsParamsAuthorizationHeaders (8)Body •ScriptsSettingsCookies

BodyCookiesHeaders (3)Test ResultsTest Results200 OK86 ms612 BSave Response

JSONPreviewVisualize

```
1 {
2   "pnr": "3FCEBD12",
3   "customerName": "Neha Sharma",
4   "customerEmail": "neha@example.com",
5   "flightId": "694317de950e240f7686bc79",
6   "numSeats": 2,
7   "passenger": [
8     {
9       "id": null,
10      "name": "Neha Sharma",
11      "gender": "Female",
12      "age": 22
13    },
14    {
15      "id": null,
16      "name": "Aarav Sharma",
17      "gender": "Male",
18      "age": 25
19    }
20  ],
21   "mealpref": "VEG",
22   "seatNumber": "15A",
23   "bookingDate": "2025-12-20T17:28:36",
24   "status": "CONFIRMED"
25 }
```

http://localhost:8091/microservice-bookingservice/api/flight/booking/history/rmneha@gmail.com



APIGateway / **ticketByEmail** Save

GET http://localhost:8091/microservice-bookingservice/api/flight/booking/history/rmneha@gmail.com

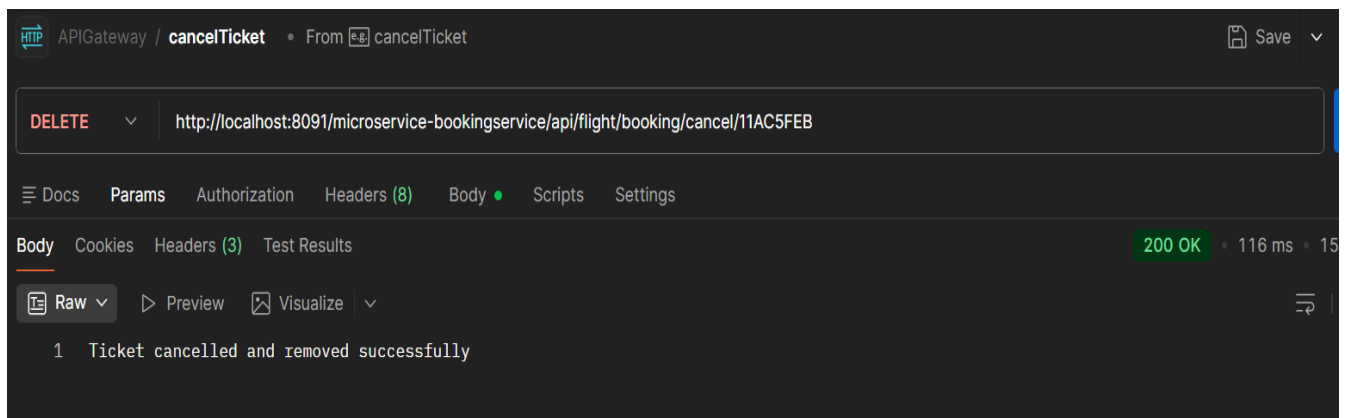
Docs Params Authorization Headers (8) Body • Scripts Settings

Body Cookies Headers (4) Test Results 200 OK • 21 ms • 660 B Save

{ } JSON Preview Visualize

```
1  [
2      {
3          "pnr": "11AC5FEB",
4          "customerName": "Neha Sharma",
5          "customerEmail": "rmneha@gmail.com",
6          "flightId": "694317de950e240f7686bc79",
7          "numSeats": 2,
8          "passenger": [
9              {
10                 "id": null,
11                 "name": "Neha Sharma",
12                 "gender": "Female",
13                 "age": 22
14             },
15             {
16                 "id": null,
17                 "name": "Aarav Sharma",
18                 "gender": "Male",
19                 "age": 25
20             }
21         ],
22         "mealpref": "VEG",
23         "seatNumber": "15A",
24         "bookingDate": "2025-12-20T17:33:26",
25         "status": "CONFIRMED"
26     }
27 ]
```

http://localhost:8091/microservice-bookingservice/api/flight/booking/cancel/11AC5FEB



APIGateway / **cancelTicket** • From cancelTicket Save

DELETE http://localhost:8091/microservice-bookingservice/api/flight/booking/cancel/11AC5FEB

Docs Params Authorization Headers (8) Body • Scripts Settings

Body Cookies Headers (3) Test Results 200 OK • 116 ms • 15

Raw Preview Visualize

```
1  Ticket cancelled and removed successfully
```

4) NewMan (POSTMAN using CLI)

```
C:\Users\Neha Sharma>newman run "C:\Users\Neha Sharma\Desktop\FlightMicroservice.postman_collection.json"
newman
```

FlightMicroservice

```
→ addFlight
  POST http://localhost:8081/api/flight/airline/inventory [200 OK, 415B, 40ms]

→ searchFlight
  POST http://localhost:8081/api/flight/search [200 OK, 3.19kB, 13ms]

→ allFlight
  GET http://localhost:8081/api/flight/airline/inventory/all [200 OK, 5.27kB, 16ms]
```

	executed	failed
iterations	1	0
requests	3	0
test-scripts	0	0
prerequisite-scripts	0	0
assertions	0	0
total run duration: 325ms		
total data received: 8.64kB (approx)		
average response time: 23ms [min: 13ms, max: 40ms, s.d.: 12ms]		

```
C:\Users\Neha Sharma>
```

```
C:\Users\Neha Sharma>newman run "C:\Users\Neha Sharma\Desktop\BookingMicroservice.postman_collection.json"
newman
```

BookingMicroservice

```
→ bookingByFlightID
  POST http://localhost:8082/api/flight/booking/694317de950e240f7686bc79 [201 Created, 665B, 59ms]

→ ticketByPNR
  GET http://localhost:8082/api/flight/ticket/DC6EA884 [200 OK, 658B, 20ms]

→ ticketByEmail
  GET http://localhost:8082/api/flight/booking/history/arnav@example.com [404 Not Found, 268B, 19ms]

→ cancelTicket
  DELETE http://localhost:8082/api/flight/booking/cancel/F174B495 [404 Not Found, 206B, 16ms]
```

	executed	failed
iterations	1	0
requests	4	0
test-scripts	0	0
prerequisite-scripts	0	0
assertions	0	0
total run duration: 407ms		
total data received: 1.08kB (approx)		
average response time: 28ms [min: 16ms, max: 59ms, s.d.: 17ms]		


```
C:\Users\Neha Sharma>newman run "C:\Users\Neha Sharma\Desktop\APIGateway.postman_collection.json"
newman
```

APIGateway

```
→ addFlight
  POST http://localhost:8091/microservice-flightservice/api/flight/airline/inventory [200 OK, 415B, 64ms]

→ searchFlight
  POST http://localhost:8091/microservice-flightservice/api/flight/search [200 OK, 3.53kB, 31ms]

→ searchFlight2
  POST http://localhost:8091/microservice-flightservice/api/flight/search [200 OK, 3.53kB, 26ms]

→ allFlight
  GET http://localhost:8091/microservice-flightservice/api/flight/airline/inventory/all [200 OK, 5.62kB, 23ms]

→ bookingByFlightID
  POST http://localhost:8091/microservice-bookingservice/api/flight/booking/694317de950e240f7686bc79 [201 Created, 617B, 78ms]

→ ticketbyPNR
  GET http://localhost:8091/microservice-bookingservice/api/flight/ticket/B3ECE00C [404 Not Found, 158B, 27ms]

→ ticketByEmail
  GET http://localhost:8091/microservice-bookingservice/api/flight/booking/history/rmneha@gmail.com [404 Not Found, 219B, 27ms]

→ cancelTicket
  DELETE http://localhost:8091/microservice-bookingservice/api/flight/booking/cancel/11AC5FEB [404 Not Found, 158B, 24ms]
```

	executed	failed
iterations	1	0
requests	8	0

```
→ ticketByEmail
  GET http://localhost:8091/microservice-bookingservice/api/flight/booking/history/rmneha@gmail.com [404 Not Found, 219B, 27ms]

→ cancelTicket
  DELETE http://localhost:8091/microservice-bookingservice/api/flight/booking/cancel/11AC5FEB [404 Not Found, 158B, 24ms]
```

	executed	failed
iterations	1	0
requests	8	0
test-scripts	0	0
prerequisite-scripts	0	0
assertions	0	0
total run duration: 910ms		
total data received: 13.4kB (approx)		
average response time: 37ms [min: 23ms, max: 78ms, s.d.: 19ms]		

```
C:\Users\Neha Sharma>
```

5) Eureka Integration

The screenshot shows the Spring Eureka dashboard. At the top, there's a header with the Spring Eureka logo and navigation links for HOME and LAST 1000 SINCE STARTUP. The main content area is divided into sections: System Status, DS Replicas, and Instances currently registered with Eureka.

System Status

Environment	test	Current time	2025-12-19T05:22:47 +0530
Data center	default	Uptime	00:01
		Lease expiration enabled	true
		Renews threshold	6
		Renews (last min)	0

THE SELF PRESERVATION MODE IS TURNED OFF. THIS MAY NOT PROTECT INSTANCE EXPIRY IN CASE OF NETWORK/OTHER PROBLEMS.

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
MICROSERVICE-FLIGHTSERVICE	n/a (1)	(1)	UP (1) - DESKTOP-QU5R752:Microservice-FlightService:8081
MICROSERVICES_APIGATEWAY	n/a (1)	(1)	UP (1) - DESKTOP-QU5R752:Microservices_APIGateway:8091
MICROSERVICE_BOOKINGSERVICE	n/a (1)	(1)	UP (1) - DESKTOP-QU5R752:Microservice_BookingService:8082

General Info

6) Circuit Breaker

The screenshot shows a REST client interface with a POST request to `http://localhost:8082/api/flight/booking/694317de950e240f7686bc79`. The request body is a JSON object representing a flight booking. The response status is `503 Service Unavailable`, indicating a circuit breaker failure.

Request:

```
POST http://localhost:8082/api/flight/booking/694317de950e240f7686bc79
```

Body:

```
{
  "customerName": "Neha Sharma",
  "customerEmail": "neha@gmail.com",
  "totalSeats": 2,
  "passenger": [
    {
      "name": "Neha Sharma",
      "gender": "Female",
      "age": 22
    },
    {
      "name": "Aarav Sharma",
      "gender": "Male",
      "age": 25
    }
  ],
  "mealpref": "VEG",
}
```

Response:

```
503 Service Unavailable • 584 ms • 170 B
```

Body:

```
1 Flight server down
```

7) Message Broker (KAFKA+ MailHog)

MailHog					Search		GitHub	
Connected					50		1-10 of 10	
Inbox (10) Delete all messages	Jim		Jim is a chaos monkey. Find out more at GitHub.		Enable Jim			
	Flight Booking Confirmed		4 hours ago		295 B			
	Flight Booking Confirmed		4 hours ago		295 B			
	Flight Booking Confirmed		4 hours ago		295 B			
	Flight Booking Cancelled		4 hours ago		302 B			
	Flight Booking Confirmed		4 hours ago		296 B			
	Flight Booking Confirmed		4 hours ago		296 B			
	Flight Booking Confirmed		4 hours ago		291 B			
	Flight Booking Confirmed		4 hours ago		293 B			
	Flight Booking Confirmed		4 hours ago		294 B			
	Flight Booking Cancelled		6 hours ago		303 B			

localhost:8025/#

MailHog

Connected

Inbox (10)

Delete all messages

Jim

Jim is a chaos monkey.
Find out more at GitHub.

Enable Jim

From "Neha Sharma"@DESKTOP-QU5R752
Subject **Flight Booking Confirmed**
To neha@example.com

Plain text Source

Your booking is confirmed.
PNR: 8D06BECF

localhost:8025/#

MailHog

Connected

Inbox (10)

Delete all messages

Jim

Jim is a chaos monkey.
Find out more at GitHub.

Enable Jim

From "Neha Sharma"@DESKTOP-QU5R752
Subject **Flight Booking Cancelled**
To rmneha@gmail.com

Plain text Source

Your booking has been cancelled.
PNR: 11AC5FEB

```

2025-12-20T21:25:23.022+05:30 INFO 40048 --- [MICROSERVICE-BOOKINGSERVICE] [
: ConsumerConfig values:
    allow.auto.create.topics = true
    auto.commit.interval.ms = 5000
    auto.include.jmx.reporter = true
    auto.offset.reset = earliest
    bootstrap.servers = [localhost:9092]
    check.crcs = true
    client.dns.lookup = use_all_dns_ips
    client.id = consumer-booking-email-group-1
    client.rack =
    connections.max.idle.ms = 540000
    default.api.timeout.ms = 60000
    enable.auto.commit = false
    exclude.internal.topics = true
    fetch.max.bytes = 52428800
    fetch.max.wait.ms = 500
    fetch.min.bytes = 1
    group.id = booking-email-group
    group.instance.id = null
    heartbeat.interval.ms = 3000
    interceptor.classes = []
    internal.leave.group.on.close = true
    internal.throw.on.fetch.stable.offset.unsupported = false
    isolation.level = read_uncommitted
    key.deserializer = class org.springframework.kafka.support.serializer.ErrorHandlingDeserializer
    max.partition.fetch.bytes = 1048576
    max.poll.interval.ms = 300000
    max.poll.records = 500
    metadata.max.age.ms = 300000
    metric.reporters = []
    metrics.num.samples = 2
    metrics.recording.level = INFO
    metrics.sample.window.ms = 30000
    partition.assignment.strategy = [class org.apache.kafka.clients.consumer.RangeAssignor, class org.apache.kafka.clients.consum
er.CooperativeStickyAssignor]

```

8) JACOCO REPORT

a) Booking Service

Microservice_BookingService

Sessions

Microservice_BookingService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.micro.booking	<div></div>	100%		n/a	0	4	0	12	0	4	0	1
com.micro.booking.client	<div></div>	100%		n/a	0	6	0	7	0	6	0	2
com.micro.booking.controller	<div></div>	93%	<div></div>	100%	1	16	1	28	1	15	0	1
com.micro.booking.entity	<div></div>	86%	<div></div>	44%	53	100	0	24	0	41	0	3
com.micro.booking.event	<div></div>	86%	<div></div>	45%	21	42	0	9	0	18	0	1
com.micro.booking.exception	<div></div>	100%		n/a	0	18	0	46	0	18	0	6
com.micro.booking.kafka	<div></div>	100%	<div></div>	100%	0	5	0	15	0	4	0	2
com.micro.booking.requests	<div></div>	86%	<div></div>	47%	33	68	0	13	0	29	0	2
com.micro.booking.service	<div></div>	94%	<div></div>	68%	7	27	4	80	0	16	0	1
Total	215 of 2,220	90%	140 of 270	48%	115	286	5	234	1	151	0	19

Created with JaCoCo 0.8.10.202304240956

b) Flight Service

Microservice_FlightService

Sessions

Microservice_FlightService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.micro.flight.service	<div></div>	97%	<div></div>	100%	1	14	1	47	1	10	0	2
com.micro.flight.requests	<div></div>	92%	<div></div>	74%	17	63	0	15	0	28	0	3
com.micro.flight.entity	<div></div>	93%	<div></div>	73%	21	70	0	18	0	29	0	2
com.micro.flight.exception	<div></div>	100%		n/a	0	18	0	46	0	18	0	6
com.micro.flight.controller	<div></div>	100%		n/a	0	7	0	10	0	7	0	2
com.micro.flight	<div></div>	100%		n/a	0	4	0	12	0	4	0	1
Total	69 of 1,412	95%	40 of 160	75%	39	176	1	148	1	96	0	16

Created with JaCoCo 0.8.10.202304240956

9) SONARCUBE

NehaSharma4122 > Microservice_FlightService > master ⚠ Last analysis had a warning

Summary Issues Security Hotspots More ▾

Quality Gate: [Sonar way](#) ⓘ

Passed

New Code Overall Code

Security	Reliability	Maintainability
1 Open Issues	4 Open Issues	41 Open Issues
Accepted Issues	Coverage	Duplications
0	86.7% No conditions set on 148 Lines to cover	0.0% No conditions set on 717 Lines

SonarQube cloud My Projects My Issues Explore Upgrade

NehaSharma4122 > Microservice_BookingService > master ⚠ Last analysis had a warning

Summary Issues Security Hotspots More ▾

Passed

New Code Overall Code

Security	Reliability	Maintainability
0 Open Issues	6 Open Issues	39 Open Issues
Accepted Issues	Coverage	Duplications
0	71.0% No conditions set on 248 Lines to cover	0.0% No conditions set on 938 Lines

Security Hotspots

10) JMETER TESTING

```
C:\Users\Neha Sharma>"C:\Users\Neha Sharma\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter.bat" -n -t "C:\Users\Neha Sharma\Desktop\GET.jmx" -l results.jtl -e -o report
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release
Creating summariser <summary>
Created the tree successfully using C:\Users\Neha Sharma\Desktop\GET.jmx
Starting standalone test @ 2025 Dec 20 22:07:23 IST (1766248643549)
Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445
summary + 71 in 00:00:07 = 10.1/s Avg: 10 Min: 5 Max: 58 Err: 0 (0.00%) Active: 1 Started: 8 Finished: 7
summary + 29 in 00:00:02 = 13.5/s Avg: 10 Min: 6 Max: 61 Err: 0 (0.00%) Active: 0 Started: 10 Finished: 10
summary = 100 in 00:00:09 = 10.9/s Avg: 10 Min: 5 Max: 61 Err: 0 (0.00%)
Tidying up ... @ 2025 Dec 20 22:07:32 IST (1766248652931)
... end of run
```

11) CONFIG SERVER

https://github.com/NehaSharma4122/Microservices_configServer