

MICROSERVICES -API END POINTS TESTING USING API GATEWAY

1)User Register(without api gateway)

HTTP Flightbooking_Microservice / register

POST http://localhost:8080/api/user/register

Body (raw JSON)

```
{  
  "name": "A.Sreenidhi",  
  "email": "angadisreenidhi@gmail.com",  
  "age": 20,  
  "gender": "Female",  
  "password": "sreenidhi",  
  "role": "USER"  
}
```

201 Created | 212 ms | 130 B | Save Response

Raw Preview Visualize

```
1 user created with id: 692c54866b3d4117ebd2ad33
```

with api gateway

HTTP Flightbooking_Microservice / register

POST http://localhost:8765/user-microservice/api/user/register

Body (raw JSON)

```
{  
  "name": "Angadi Sreenidhi",  
  "email": "sreenidhi05@gmail.com",  
  "age": 20,  
  "gender": "Female",  
  "password": "sreenidhi",  
  "role": "USER"  
}
```

201 Created | 408 ms | 130 B | Save Response

Raw Preview Visualize

```
1 user created with id: 692c6f0fe839777a7a2e80f1
```

2)User Login(using API Gateway)

The screenshot shows the Postman interface with the following details:

- Request Method:** POST
- URL:** <http://localhost:8765/user-microservice/api/user/login>
- Body (JSON):**

```
1 {
2   "email": "angadisreenidhi@gmail.com",
3   "password": "sreenidhi"
4 }
```
- Response Status:** 200 OK
- Response Time:** 59 ms
- Response Size:** 115 B

3)Inventory add(using API Gateway)

The screenshot shows the Postman interface with the following details:

- Request Method:** POST
- URL:** <http://localhost:8765/flight-microservice/api/flight/airline/inventory/add>
- Body (JSON):**

```
1 {
2   "airline": "AirAsia",
3   "fromPlace": "Banglore",
4   "toPlace": "Hyderabad",
5   "departureTime": "2025-11-28T06:00:00",
6   "arrivalTime": "2025-11-28T09:00:00",
7   "price": 4800,
8   "totalSeats": 160,
9   "availableSeats": 160
10 }
```
- Response Status:** 201 Created
- Response Time:** 1.49 s
- Response Size:** 143 B

4)Search(using API Gateway)

The screenshot shows a Postman request for a flight search. The URL is `http://localhost:8765/flight-microservice/api/flight/search`. The request method is POST. The body contains the following JSON:

```
1 {
2   "fromPlace": "Bangalore",
3   "toPlace": "Hyderabad",
4   "startTime": "2025-11-28T00:00:00",
5   "endTime": "2025-11-28T23:59:59"
6 }
```

The response status is 200 OK, with a response time of 384 ms and a response size of 532 B. The response body is a JSON array containing two flight records:

```
1 [
2   {
3     "id": "692b3a4a6444e2b421e44d2b",
4     "airline": "AirAsia",
5     "fromPlace": "Bangalore",
6     "toPlace": "Hyderabad",
7     "departureTime": "2025-11-28T06:00:00",
8     "arrivalTime": "2025-11-28T09:00:00",
9     "price": 4800.0,
10    "totalSeats": 160,
11    "availableSeats": 143
12  },
13  {
14    "id": "692c703eb63f4f0446e3974d",
15    "airline": "AirAsia",
16    "fromPlace": "Bangalore",
17    "toPlace": "Hyderabad",
18    "departureTime": "2025-11-28T06:00:00",
19    "arrivalTime": "2025-11-28T09:00:00",
20    "price": 4800.0,
21    "totalSeats": 160,
22    "availableSeats": 160
23  }
]
```

5)search by airline(using API Gateway)

The screenshot shows a Postman request for searching flights by airline. The URL is `http://localhost:8765/flight-microservice/api/flight/search/airline`. The request method is POST. The body contains the following JSON:

```
1 {
2   "fromPlace": "Bangalore",
3   "toPlace": "Hyderabad",
4   "airline": "AirAsia"
5 }
```

The response status is 200 OK, with a response time of 165 ms and a response size of 532 B. The response body is a JSON array containing the same two flight records as the previous search:

```
1 [
2   {
3     "id": "692b3a4a6444e2b421e44d2b",
4     "airline": "AirAsia",
5     "fromPlace": "Bangalore",
6     "toPlace": "Hyderabad",
7     "departureTime": "2025-11-28T06:00:00",
8     "arrivalTime": "2025-11-28T09:00:00",
9     "price": 4800.0,
10    "totalSeats": 160,
11    "availableSeats": 143
12  },
13  {
14    "id": "692c703eb63f4f0446e3974d",
15    "airline": "AirAsia",
16    "fromPlace": "Bangalore",
17    "toPlace": "Hyderabad",
18    "departureTime": "2025-11-28T06:00:00",
19    "arrivalTime": "2025-11-28T09:00:00",
20    "price": 4800.0,
21    "totalSeats": 160,
22    "availableSeats": 160
23  }
]
```

6) booking by flight id(using API Gateway)

The screenshot shows a Postman request to `http://localhost:8765/booking-microservice/api/flight/booking/692b3a4a6444e2b421e44d2b`. The request method is `POST`, and the body contains the following JSON:

```
1 {
2   "userEmail": "angadisreenidhi@gmail.com",
3   "returnFlightId": null,
4   "tripType": "ONE WAY",
5   "passengers": [
6     {
7       "name": "Sreenidhi",
8       "age": 20,
9       "seatNumber": "12A"
10    }
11  ]
12 }
```

The response status is `200 OK` with a duration of `4.64 s` and a size of `92 B`. The PNR is `d5b1d600`.

7) ticket by pnr(using API Gateway)

The screenshot shows a Postman request to `http://localhost:8765/booking-microservice/api/flight/ticket/656a7fde`. The request method is `GET`, and the body is empty.

Query Params:

Key	Value	Description	Bulk Edit
Key	Value	Description	

The response status is `200 OK` with a duration of `963 ms` and a size of `394 B`. The response body is a JSON object:

```
1 {
2   "id": "692be0ec5f7a85a6851ce89e",
3   "pnr": "656a7fde",
4   "userId": null,
5   "departureFlightId": "692b3a4a6444e2b421e44d2b",
6   "returnFlightId": null,
7   "tripType": "ONE WAY",
8   "bookingTime": "2025-11-30T11:45:08.037",
9   "seatsBooked": "12A",
10  "userEmail": "sreenidhi@gmail.com.com",
11  "mealType": null,
12  "totalPrice": 4800.0,
13  "canceled": true,
14  "passengers": null
15 }
```

8)history by email(using API Gateway)

The screenshot shows the Postman interface with the following details:

- Request URL:** http://localhost:8765/booking-microservice/api/flight/booking/history/sreenidhi@gmail.com.com
- Method:** GET
- Body:** JSON response (2 items):

```
1 [  
2   {  
3     "id": "692bd91b57a7d35a1aadfb3f",  
4     "pnr": "ddf7173",  
5     "userId": null,  
6     "departureFlightId": "692b3a4a6444e2b421e44d2b",  
7     "returnFlightId": null,  
8     "tripType": "ONE WAY",  
9     "bookingTime": "2025-11-30T11:11:47.608",  
10    "seatsBooked": "12A",  
11    "userEmail": "sreenidhi@gmail.com.com",  
12    "mealType": null,  
13    "totalPrice": 4800.0,  
14    "canceled": false,  
15    "passengers": null  
16  },
```
- Response Status:** 200 OK
- Response Time:** 229 ms
- Response Size:** 3.87 KB

9)Cancel by pnr(using API Gateway)

The screenshot shows the Postman interface with the following details:

- Request URL:** http://localhost:8765/booking-microservice/api/flight/booking/cancel/5e78b3f4
- Method:** DELETE
- Body:** Raw response:

```
1 Cancelled Successfully
```
- Response Status:** 200 OK
- Response Time:** 209 ms
- Response Size:** 101 B