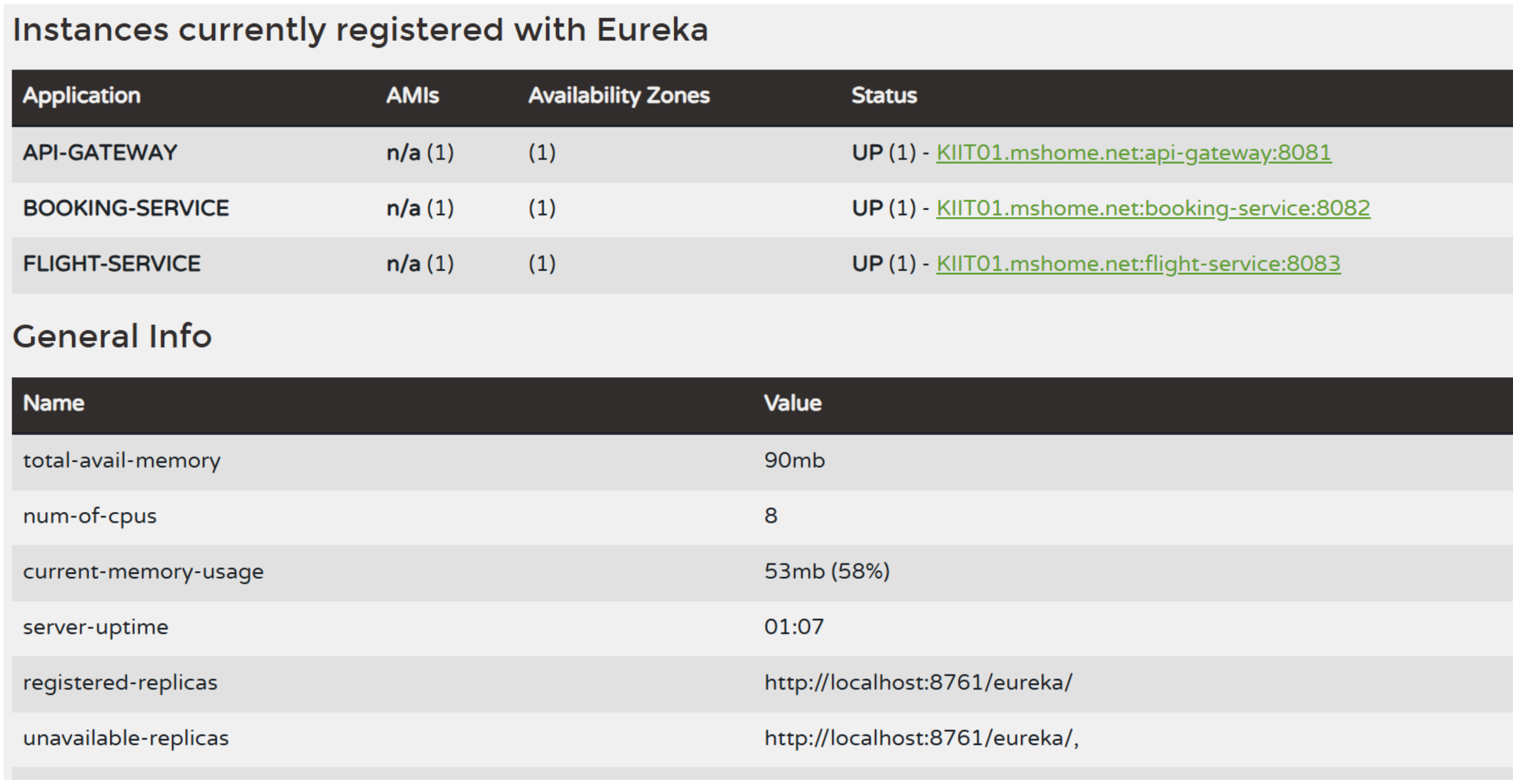
Eureka Server (service-registry):



Instances currently registered with Eureka

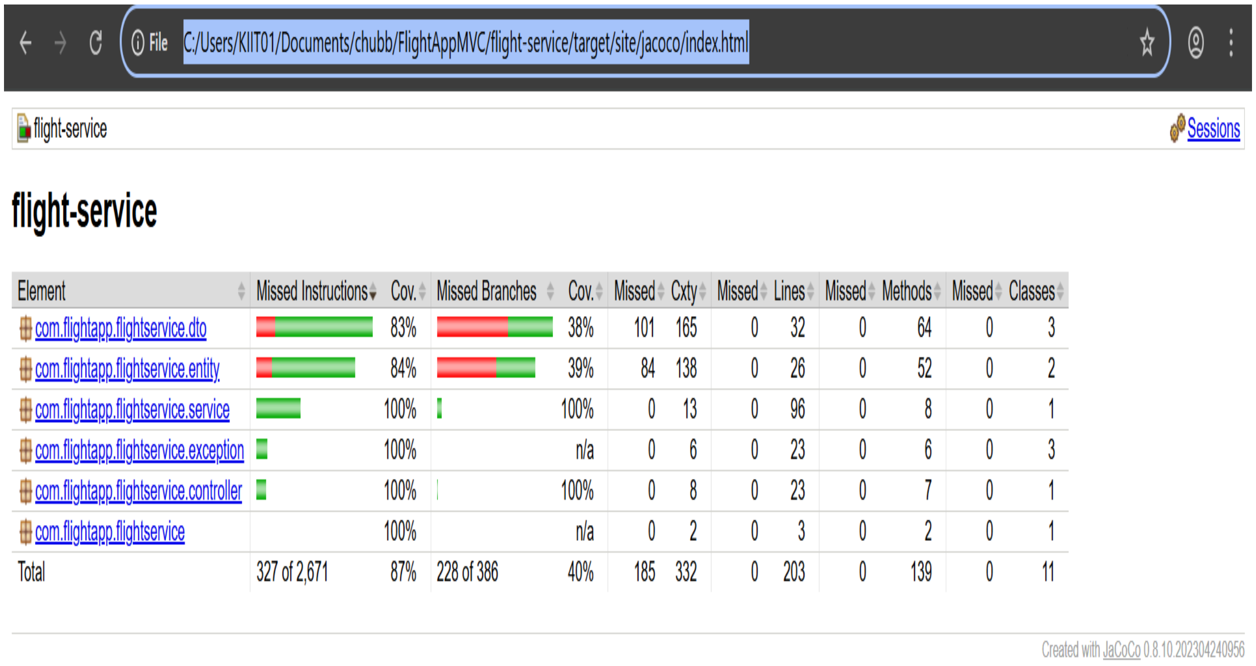
Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - KIIT01.mshome.net:api-gateway:8081
BOOKING-SERVICE	n/a (1)	(1)	UP (1) - KIIT01.mshome.net:booking-service:8082
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - KIIT01.mshome.net:flight-service:8083

General Info

Name	Value
total-avail-memory	90mb
num-of-cpus	8
current-memory-usage	53mb (58%)
server-uptime	01:07
registered-replicas	http://localhost:8761/eureka/
unavailable-replicas	http://localhost:8761/eureka/,

JACOCO-REPORTS:

Flight-service(87%)



File C:/Users/KIIT01/Documents/chubb/FlightAppMVC/flight-service/target/site/jacoco/index.html

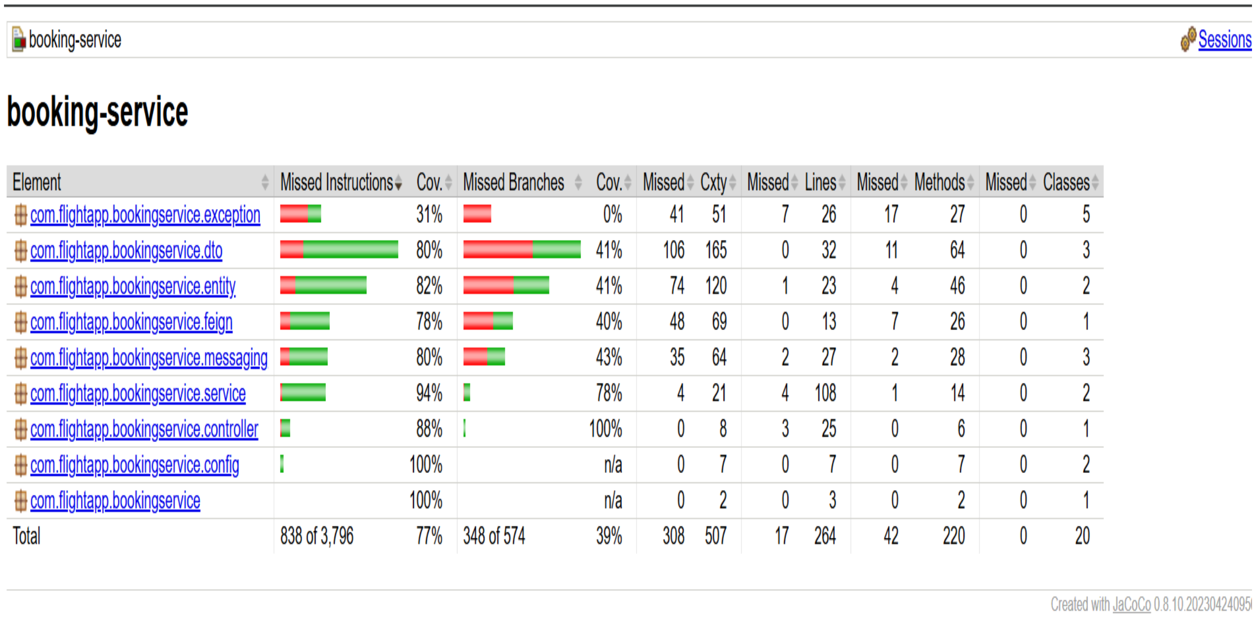
flight-service   Sessions

flight-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flightapp.flightservice.dto		83%		38%	101	165	0	32	0	64	0	3
com.flightapp.flightservice.entity		84%		39%	84	138	0	26	0	52	0	2
com.flightapp.flightservice.service		100%		100%	0	13	0	96	0	8	0	1
com.flightapp.flightservice.exception		100%		n/a	0	6	0	23	0	6	0	3
com.flightapp.flightservice.controller		100%		100%	0	8	0	23	0	7	0	1
com.flightapp.flightservice		100%		n/a	0	2	0	3	0	2	0	1
Total	327 of 2,671	87%	228 of 386	40%	185	332	0	203	0	139	0	11

Created with JaCoCo 0.8.10.202304240956

Booking-service:



booking-service　　Sessions

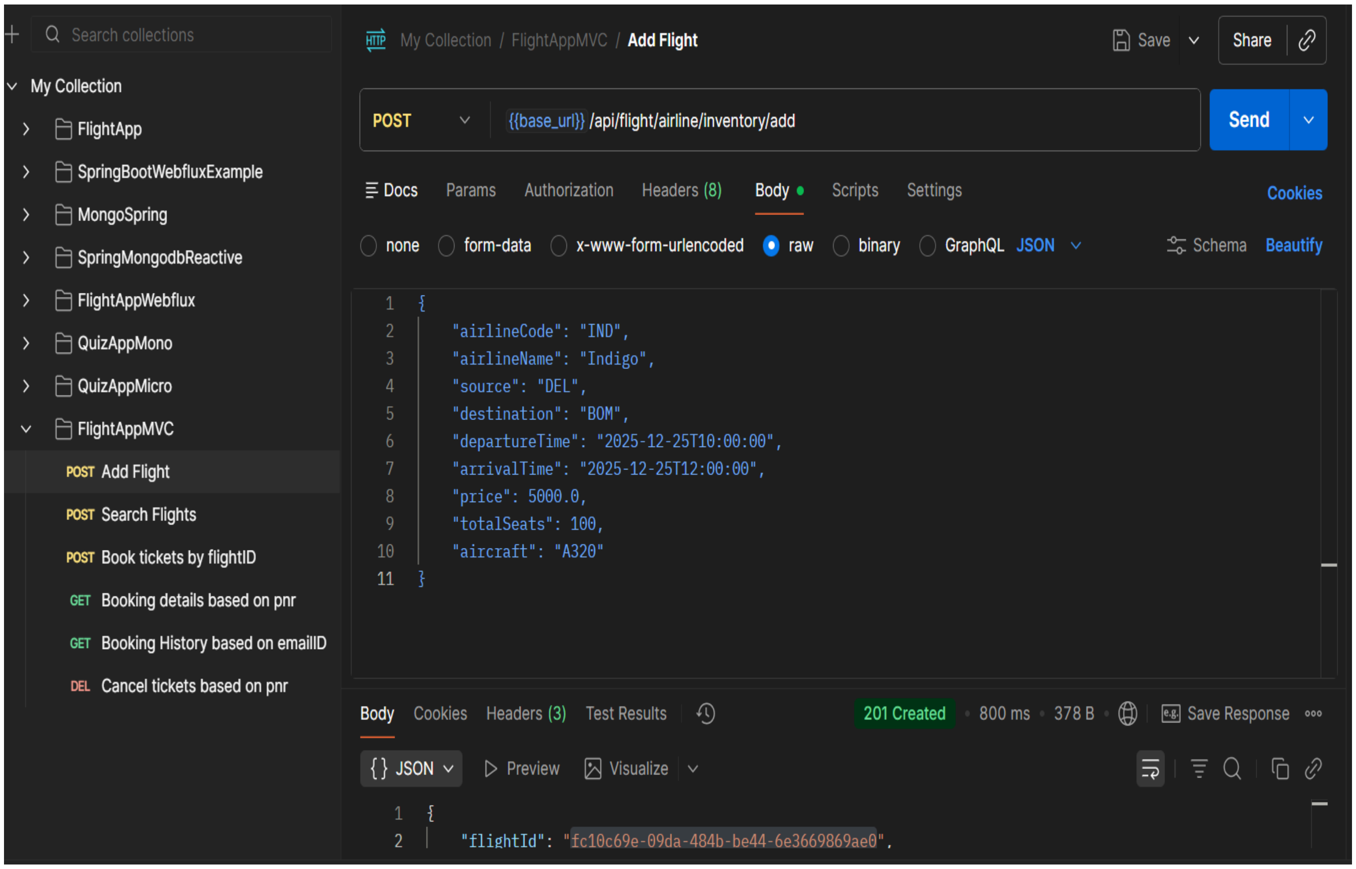
booking-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flightapp.bookingservice.exception		31%		0%	41	51	7	26	17	27	0	5
com.flightapp.bookingservice.dto		80%		41%	106	165	0	32	11	64	0	3
com.flightapp.bookingservice.entity		82%		41%	74	120	1	23	4	46	0	2
com.flightapp.bookingservice.feign		78%		40%	48	69	0	13	7	26	0	1
com.flightapp.bookingservice.messaging		80%		43%	35	64	2	27	2	28	0	3
com.flightapp.bookingservice.service		94%		78%	4	21	4	108	1	14	0	2
com.flightapp.bookingservice.controller		88%		100%	0	8	3	25	0	6	0	1
com.flightapp.bookingservice.config		100%		n/a	0	7	0	7	0	7	0	2
com.flightapp.bookingservice		100%		n/a	0	2	0	3	0	2	0	1
Total	838 of 3,796	77%	348 of 574	39%	308	507	17	264	42	220	0	20

Created with JaCoCo 0.8.10.20230424095

Postman Screenshots:

1. Adding Inventory


Search collections
My Collection
FlightApp
SpringBootWebfluxExample
MongoSpring
SpringMongodbReactive
FlightAppWebflux
QuizAppMono
QuizAppMicro
FlightAppMVC
POST Add Flight
POST Search Flights
POST Book tickets by flightID
GET Booking details based on pnr
GET Booking History based on emailID
DEL Cancel tickets based on pnr
My Collection / FlightAppMVC / Add Flight
Save
Share
Send
Docs Params Authorization Headers (8) Body Scripts Settings
Cookies
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Schema Beautify
Body Cookies Headers (3) Test Results
Save Response
JSON Preview Visualize

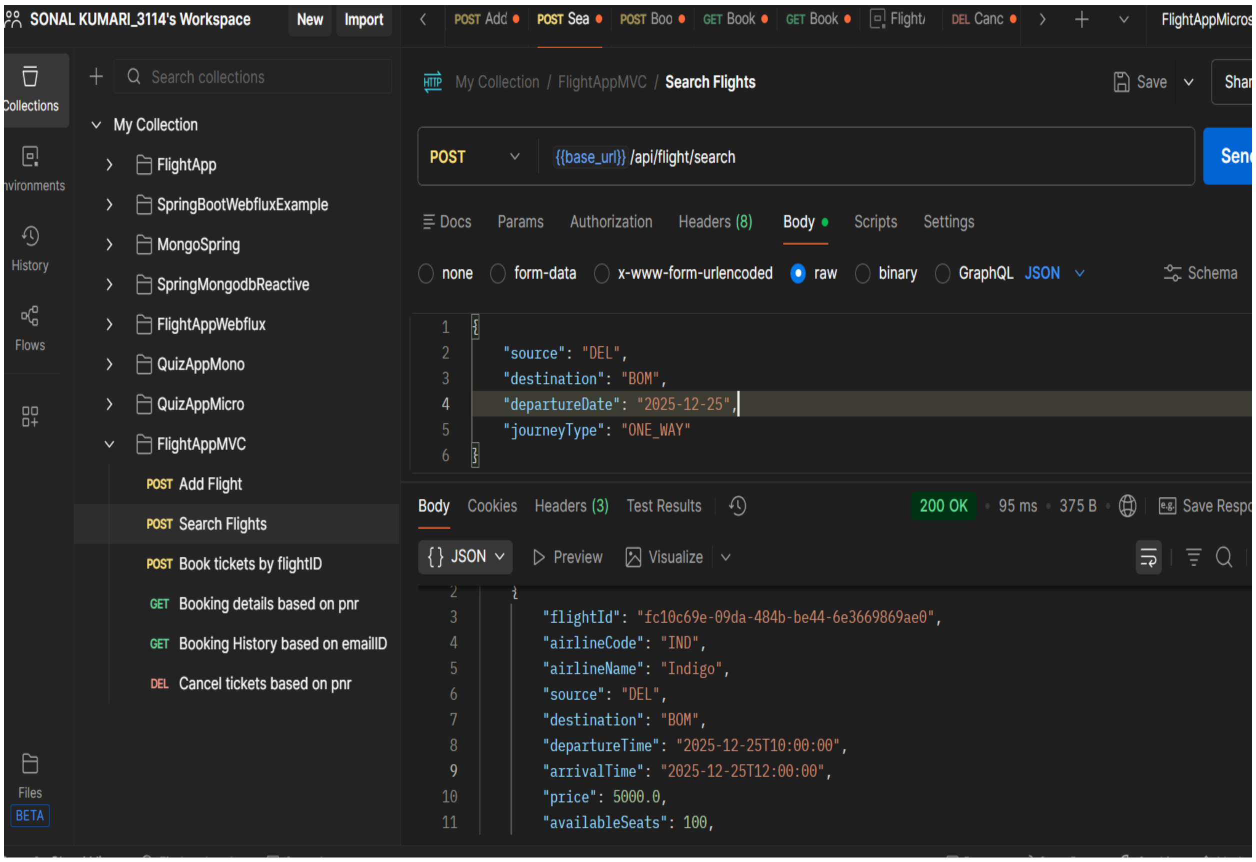
POST {{base_url}} /api/flight/airline/inventory/add

```
{
    "airlineCode": "IND",
    "airlineName": "Indigo",
    "source": "DEL",
    "destination": "BOM",
    "departureTime": "2025-12-25T10:00:00",
    "arrivalTime": "2025-12-25T12:00:00",
    "price": 5000.0,
    "totalSeats": 100,
    "aircraft": "A320"
}
```

201 Created • 800 ms • 378 B

```
{
    "flightId": "fc10c69e-09da-484b-be44-6e3669869ae0",
```

2. Searching Flights:



POST {{base_url}} /api/flight/search

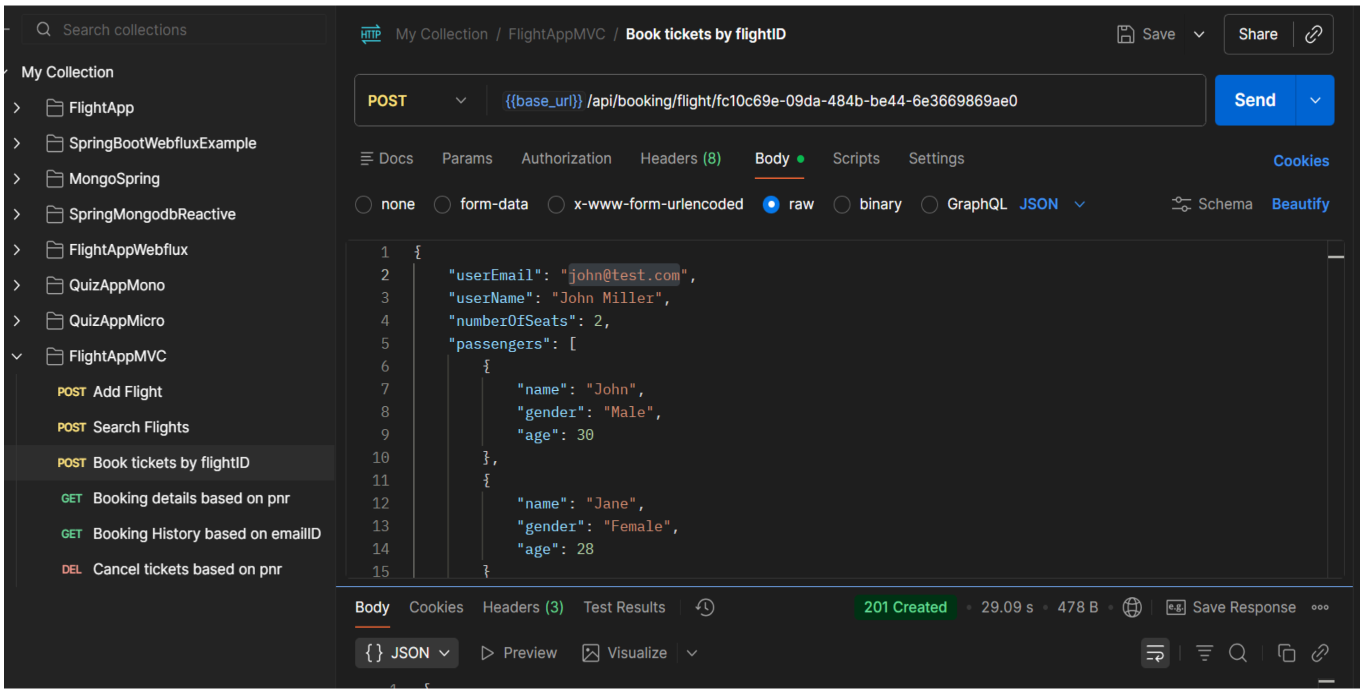
Body: raw JSON

```
{
  "source": "DEL",
  "destination": "BOM",
  "departureDate": "2025-12-25",
  "journeyType": "ONE_WAY"
}
```

Body | Headers (3) | 200 OK • 95 ms • 375 B

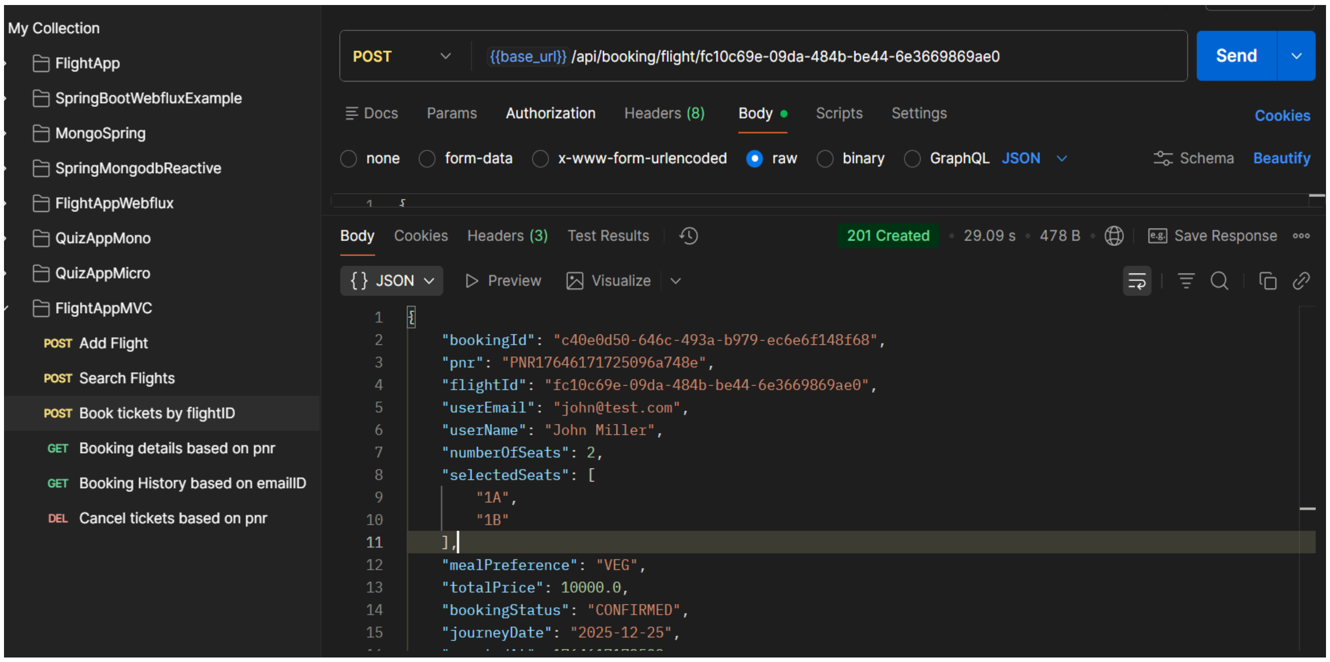
```
  {
    "flightId": "fc10c69e-09da-484b-be44-6e3669869ae0",
    "airlineCode": "IND",
    "airlineName": "Indigo",
    "source": "DEL",
    "destination": "BOM",
    "departureTime": "2025-12-25T10:00:00",
    "arrivalTime": "2025-12-25T12:00:00",
    "price": 5000.0,
    "availableSeats": 100,
```

3. Book tickets by providing flight ID:


Search collections
My Collection
FlightApp
SpringBootWebfluxExample
MongoSpring
SpringMongodbReactive
FlightAppWebflux
QuizAppMono
QuizAppMicro
FlightAppMVC
POST Add Flight
POST Search Flights
POST Book tickets by flightID
GET Booking details based on pnr
GET Booking History based on emailID
DEL Cancel tickets based on pnr
My Collection / FlightAppMVC / Book tickets by flightID
Save
Share
Send
Docs Params Authorization Headers (8) Body Scripts Settings
Cookies
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Schema Beautify
Body Cookies Headers (3) Test Results
201 Created 29.09 s 478 B
Save Response
{} JSON Preview Visualize

POST {{base_url}}/api/booking/flight/fc10c69e-09da-484b-be44-6e3669869ae0

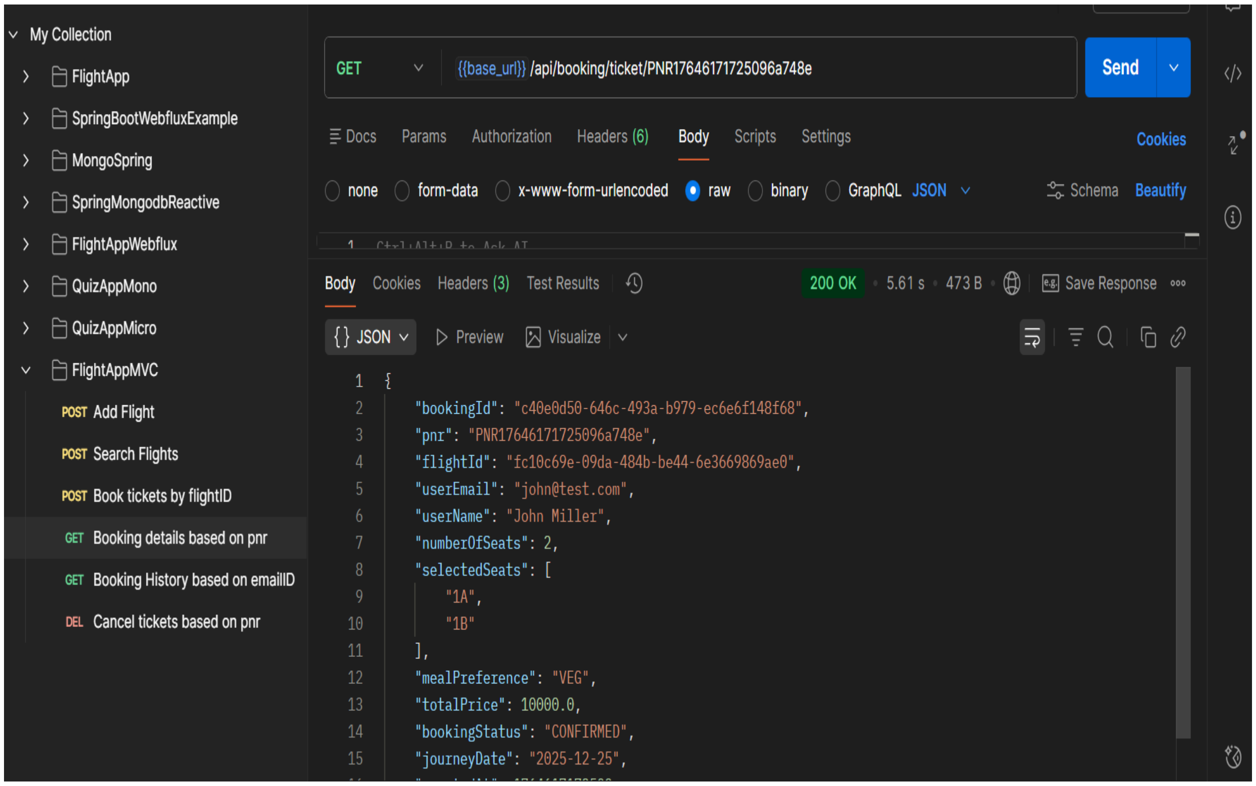
```
{
    "userEmail": "john@test.com",
    "userName": "John Miller",
    "numberOfSeats": 2,
    "passengers": [
        {
            "name": "John",
            "gender": "Male",
            "age": 30
        },
        {
            "name": "Jane",
            "gender": "Female",
            "age": 28
        }
```


My Collection
FlightApp
SpringBootWebfluxExample
MongoSpring
SpringMongodbReactive
FlightAppWebflux
QuizAppMono
QuizAppMicro
FlightAppMVC
POST Add Flight
POST Search Flights
POST Book tickets by flightID
GET Booking details based on pnr
GET Booking History based on emailID
DEL Cancel tickets based on pnr
Send
Docs Params Authorization Headers (8) Body Scripts Settings
Cookies
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Schema Beautify
Body Cookies Headers (3) Test Results
201 Created 29.09 s 478 B
Save Response
{} JSON Preview Visualize

POST {{base_url}}/api/booking/flight/fc10c69e-09da-484b-be44-6e3669869ae0

```
{
    "bookingId": "c40e0d50-646c-493a-b979-ec6e6f148f68",
    "pnr": "PNR17646171725096a748e",
    "flightId": "fc10c69e-09da-484b-be44-6e3669869ae0",
    "userEmail": "john@test.com",
    "userName": "John Miller",
    "numberOfSeats": 2,
    "selectedSeats": [
        "1A",
        "1B"
    ],
    "mealPreference": "VEG",
    "totalPrice": 10000.0,
    "bookingStatus": "CONFIRMED",
    "journeyDate": "2025-12-25",
```

4. GET Booking details based on PNR:

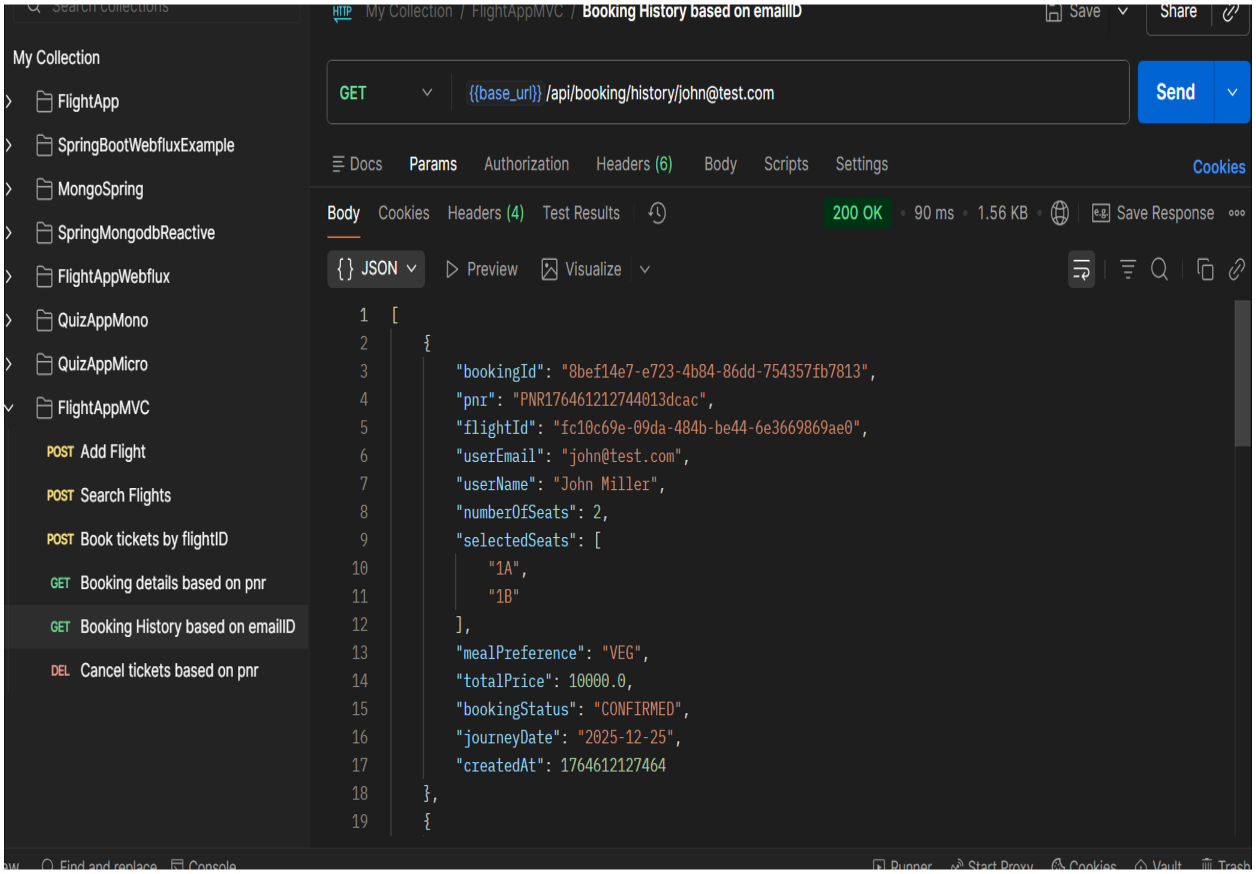


GET {{base_url}} /api/booking/ticket/PNR17646171725096a748e

200 OK • 5.61 s • 473 B

```
{
    "bookingId": "c40e0d50-646c-493a-b979-ec6e6f148f68",
    "pnr": "PNR17646171725096a748e",
    "flightId": "fc10c69e-09da-484b-be44-6e3669869ae0",
    "userEmail": "john@test.com",
    "userName": "John Miller",
    "numberOfSeats": 2,
    "selectedSeats": [
        "1A",
        "1B"
    ],
    "mealPreference": "VEG",
    "totalPrice": 10000.0,
    "bookingStatus": "CONFIRMED",
    "journeyDate": "2025-12-25",
```

5. Booking history based on emailID

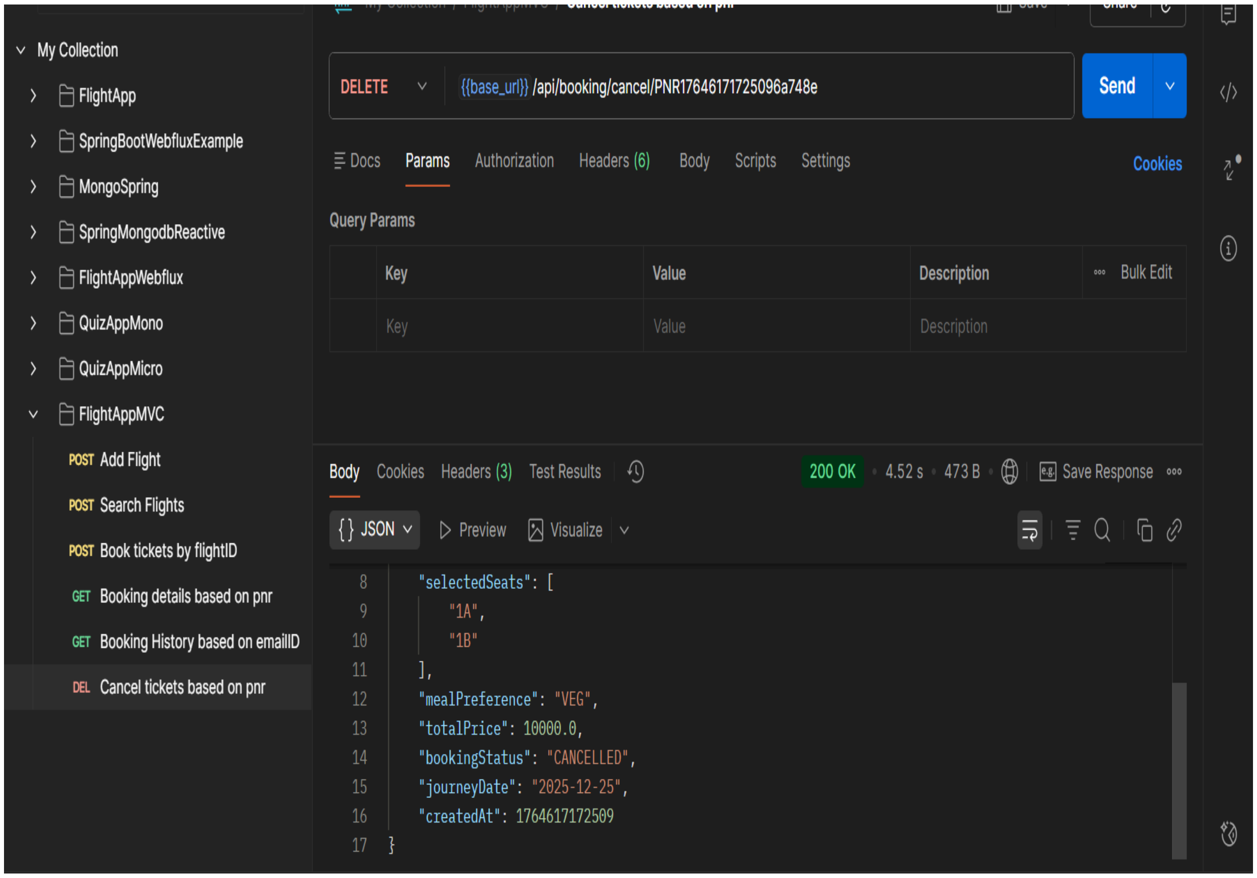

My Collection
FlightApp
SpringBootWebfluxExample
MongoSpring
SpringMongodbReactive
FlightAppWebflux
QuizAppMono
QuizAppMicro
FlightAppMVC
POST Add Flight
POST Search Flights
POST Book tickets by flightID
GET Booking details based on pnr
GET Booking History based on emailID
DEL Cancel tickets based on pnr
My Collection / FlightAppMVC / Booking History based on emailID
Save
Share
Docs Params Authorization Headers (6) Body Scripts Settings
Cookies
Body Cookies Headers (4) Test Results
Save Response
JSON Preview Visualize
Send

```
GET {{base_url}} /api/booking/history/john@test.com
```

200 OK • 90 ms • 1.56 KB

```
[
    {
        "bookingId": "8bef14e7-e723-4b84-86dd-754357fb7813",
        "pnr": "PNR176461212744013dcac",
        "flightId": "fc10c69e-09da-484b-be44-6e3669869ae0",
        "userEmail": "john@test.com",
        "userName": "John Miller",
        "numberOfSeats": 2,
        "selectedSeats": [
            "1A",
            "1B"
        ],
        "mealPreference": "VEG",
        "totalPrice": 10000.0,
        "bookingStatus": "CONFIRMED",
        "journeyDate": "2025-12-25",
        "createdAt": 1764612127464
    },
    {
```

6. Cancel ticket by giving pnr:

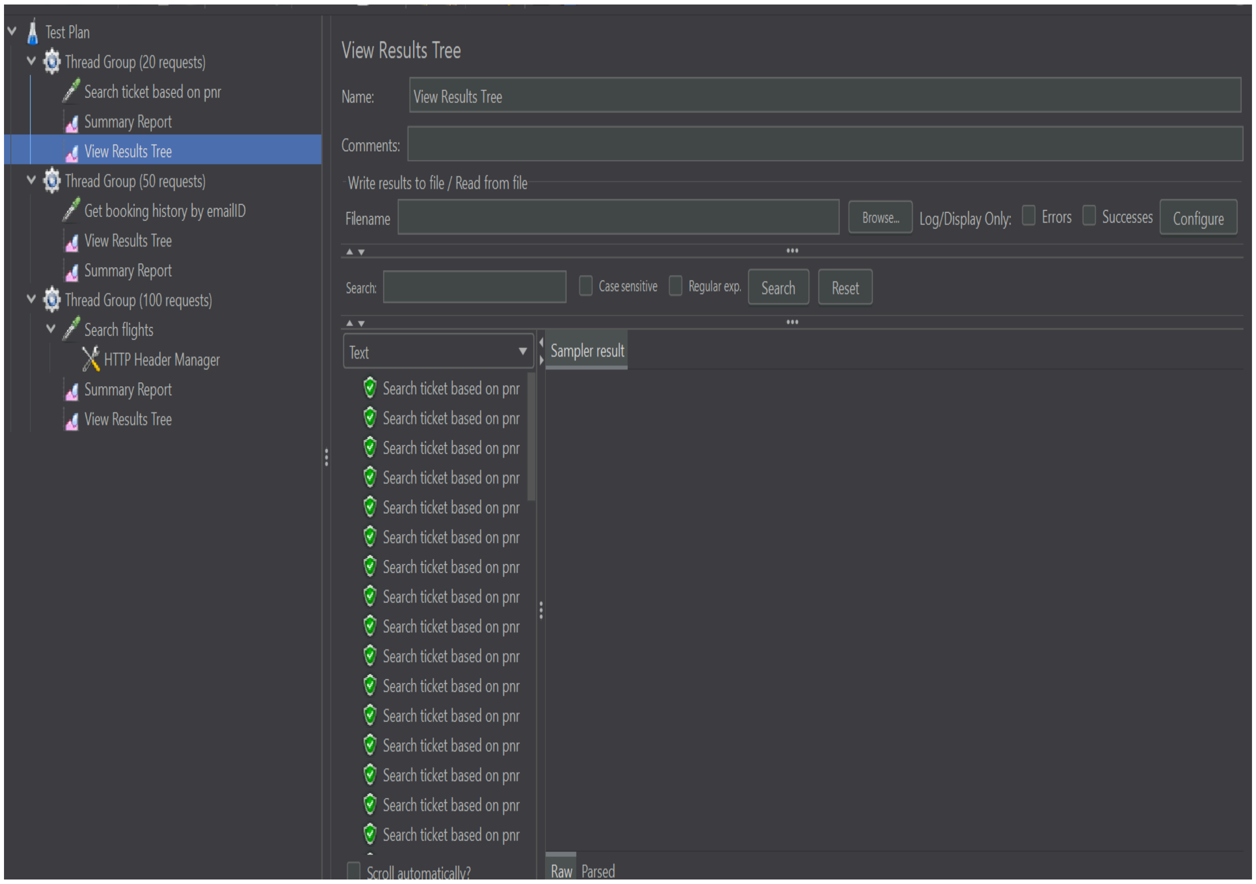


DELETE {{base_url}}/api/booking/cancel/PNR17646171725096a748e

```
  "selectedSeats": [
    "1A",
    "1B"
  ],
  "mealPreference": "VEG",
  "totalPrice": 10000.0,
  "bookingStatus": "CANCELLED",
  "journeyDate": "2025-12-25",
  "createdAt": 1764617172509
}
```

JMETER TESTING:

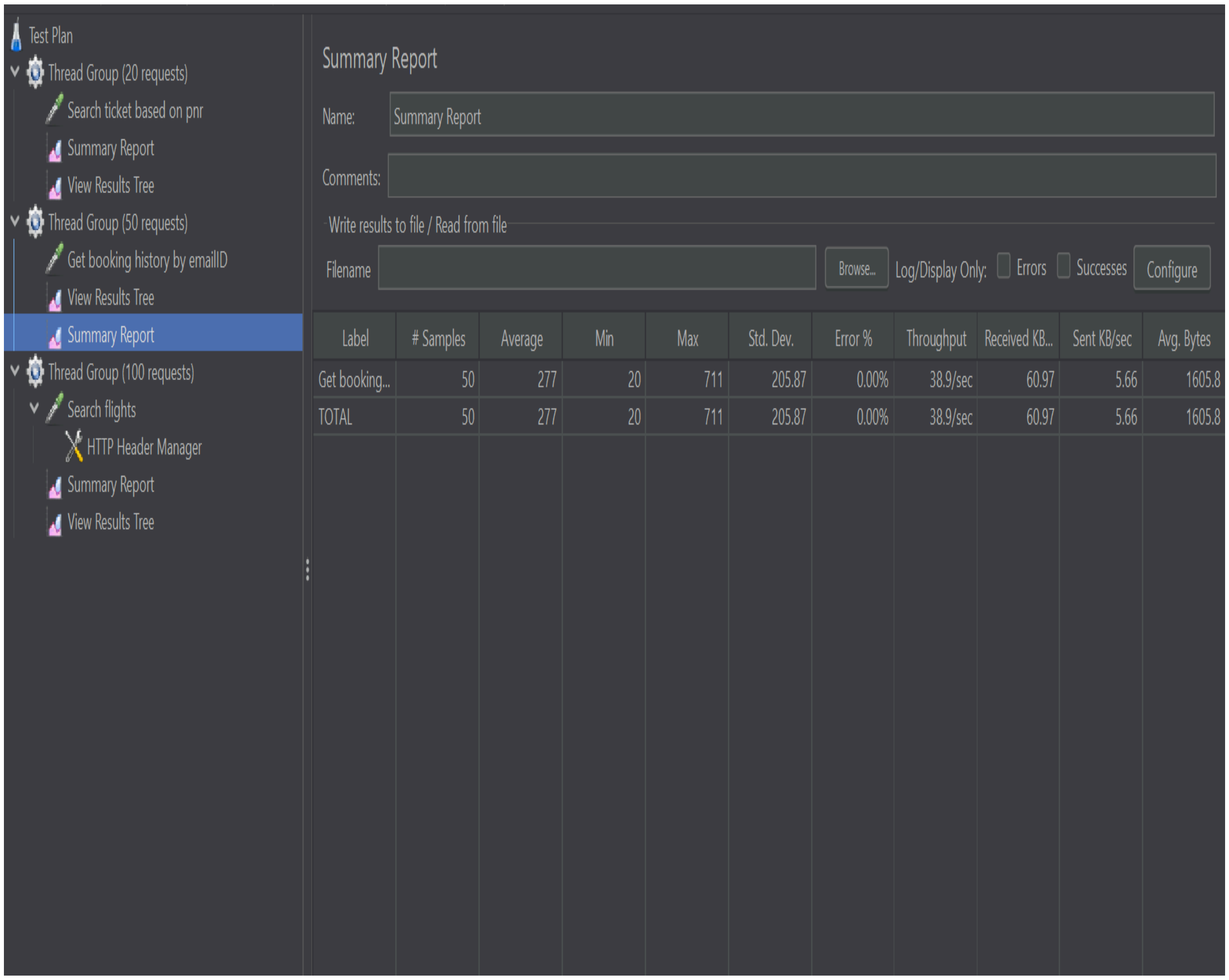
20 requests:



Name: View Results Tree

Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr
Search ticket based on pnr

50 requests:



Summary Report

Name: Summary Report

Comments:

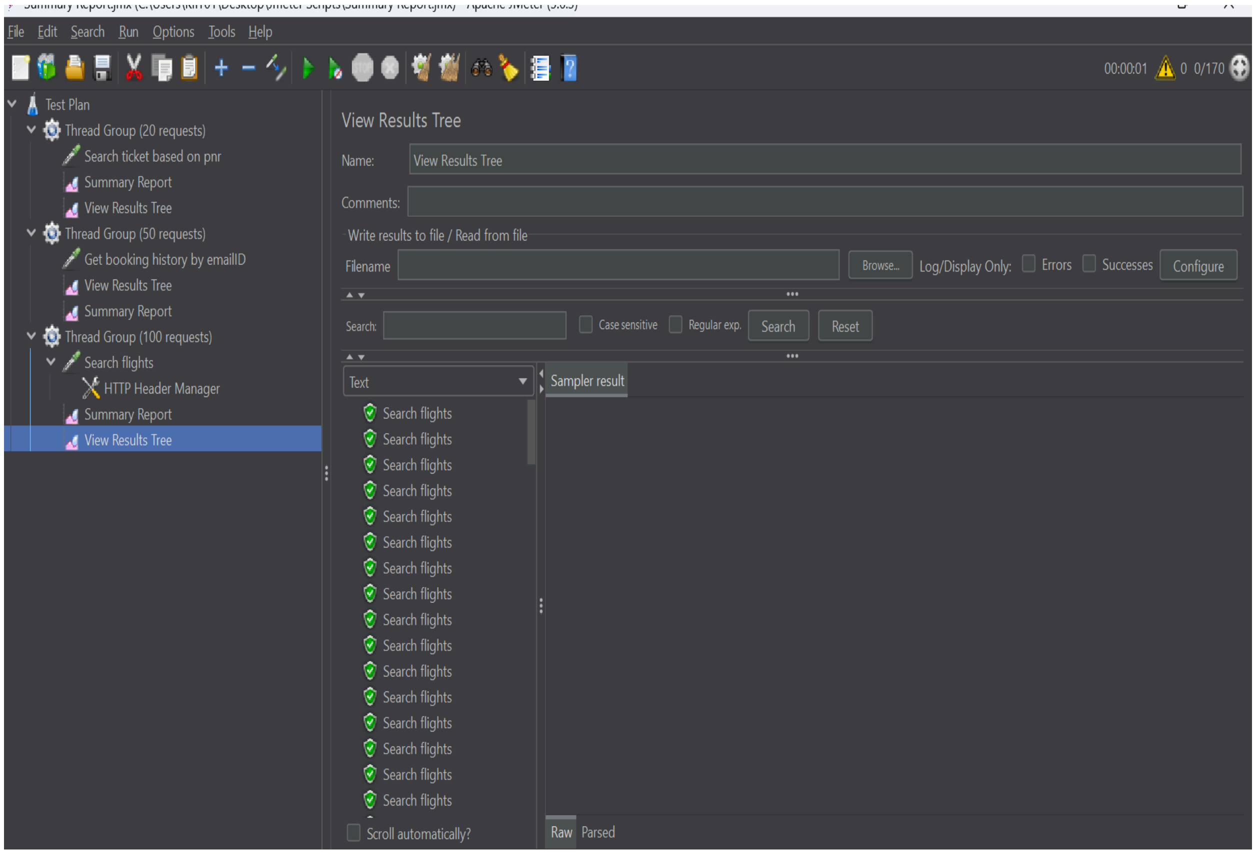
Write results to file / Read from file

Filename

Log/Display Only: Errors Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
Get booking...	50	277	20	711	205.87	0.00%	38.9/sec	60.97	5.66	1605.8
TOTAL	50	277	20	711	205.87	0.00%	38.9/sec	60.97	5.66	1605.8

100 requests:



Test Plan
- Thread Group (20 requests)
  - Search ticket based on pnr
  - Summary Report
  - View Results Tree
- Thread Group (50 requests)
  - Get booking history by emailID
  - View Results Tree
  - Summary Report
- Thread Group (100 requests)
  - Search flights
    - HTTP Header Manager
  - Summary Report
  - View Results Tree

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename | Browse... | Log/Display Only: Errors Successes | Configure

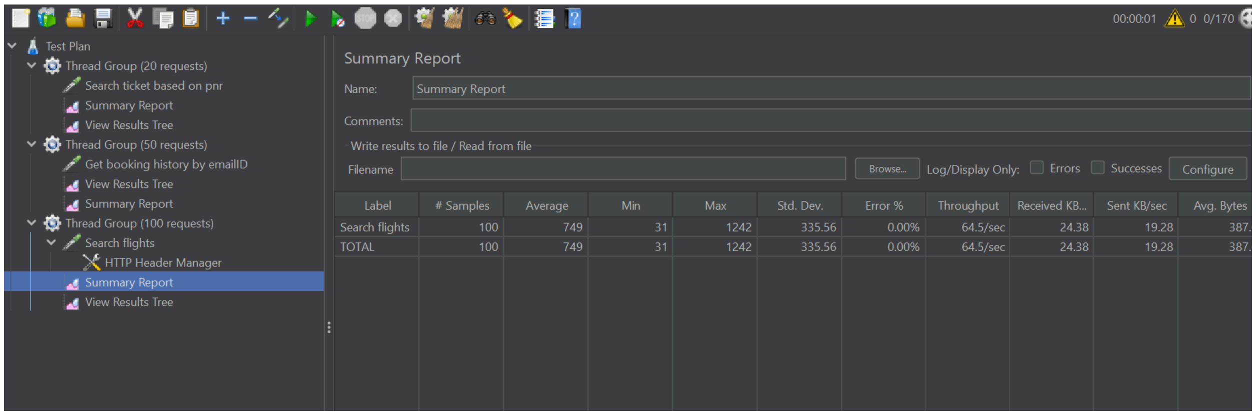
Search: | Case sensitive | Regular exp. | Search | Reset

Text | Sampler result

Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights
Search flights

Scroll automatically? | Raw | Parsed

00:00:01 | 0 | 0/170



Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename | Browse... | Log/Display Only: Errors Successes | Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
Search flights	100	749	31	1242	335.56	0.00%	64.5/sec	24.38	19.28	387.
TOTAL	100	749	31	1242	335.56	0.00%	64.5/sec	24.38	19.28	387.

Postman Collections and the log files for the dockerized microservices have been added to the Repository.