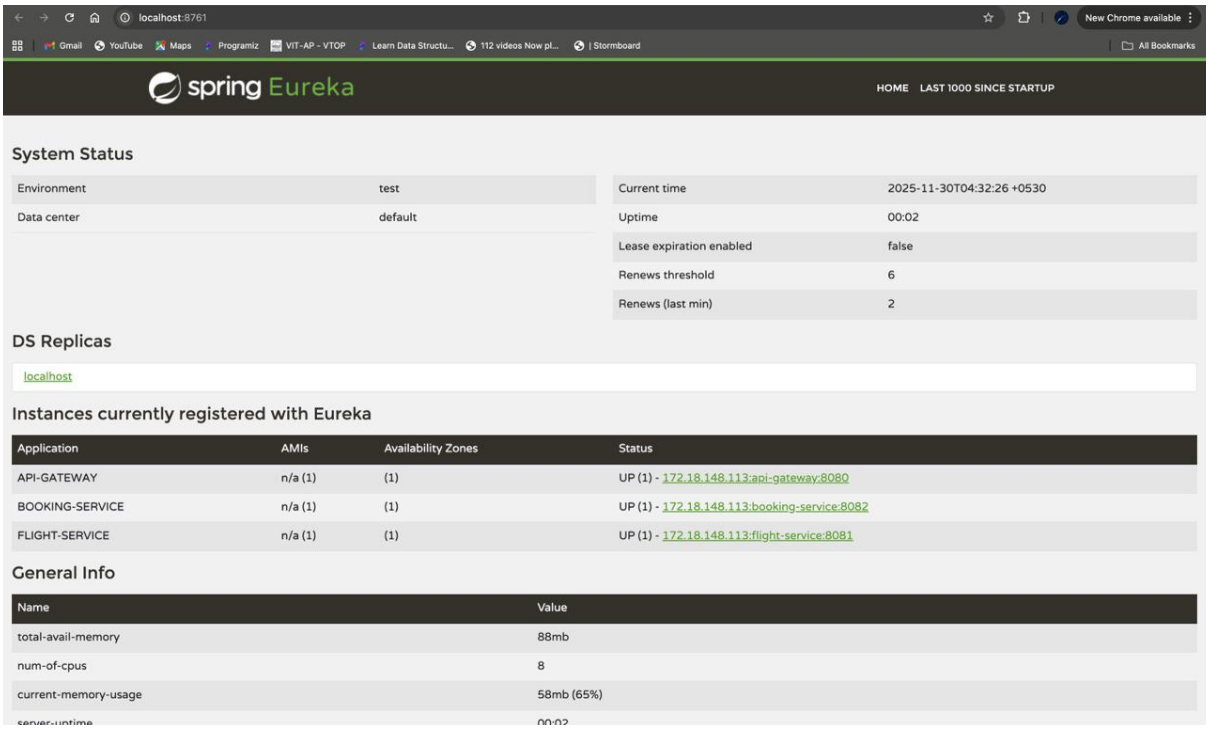
IMPORTANT SCREENSHOTS:

Working eureka:



System Status

Environment	test	Current time	2025-11-30T04:32:26 +0530
Data center	default	Uptime	00:02
		Lease expiration enabled	false
		Renews threshold	6
		Renews (last min)	2

DS Replicas

localhost

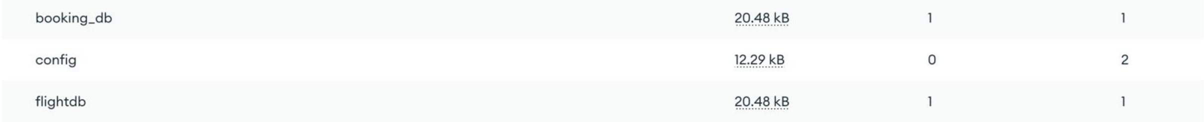
Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - 172.18.148.113:api-gateway:8080
BOOKING-SERVICE	n/a (1)	(1)	UP (1) - 172.18.148.113:booking-service:8082
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - 172.18.148.113:flight-service:8081

General Info

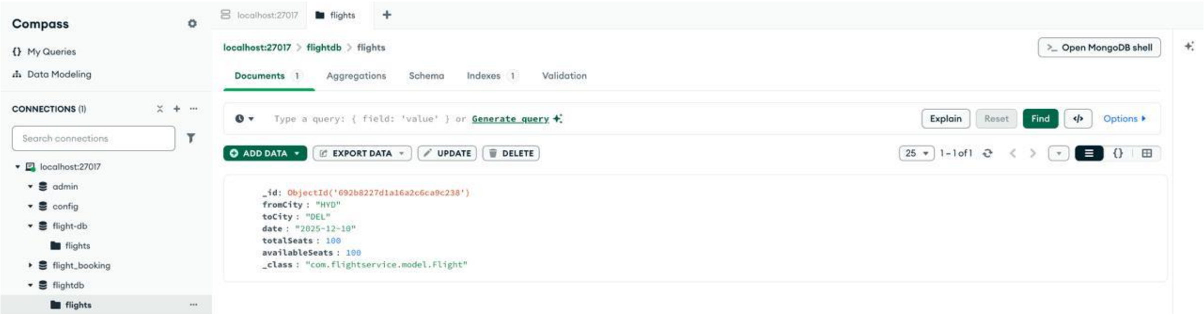
Name	Value
total-avail-memory	88mb
num-of-cpus	8
current-memory-usage	58mb (65%)
server-uptime	00:02

MongoDB:(2 databases)



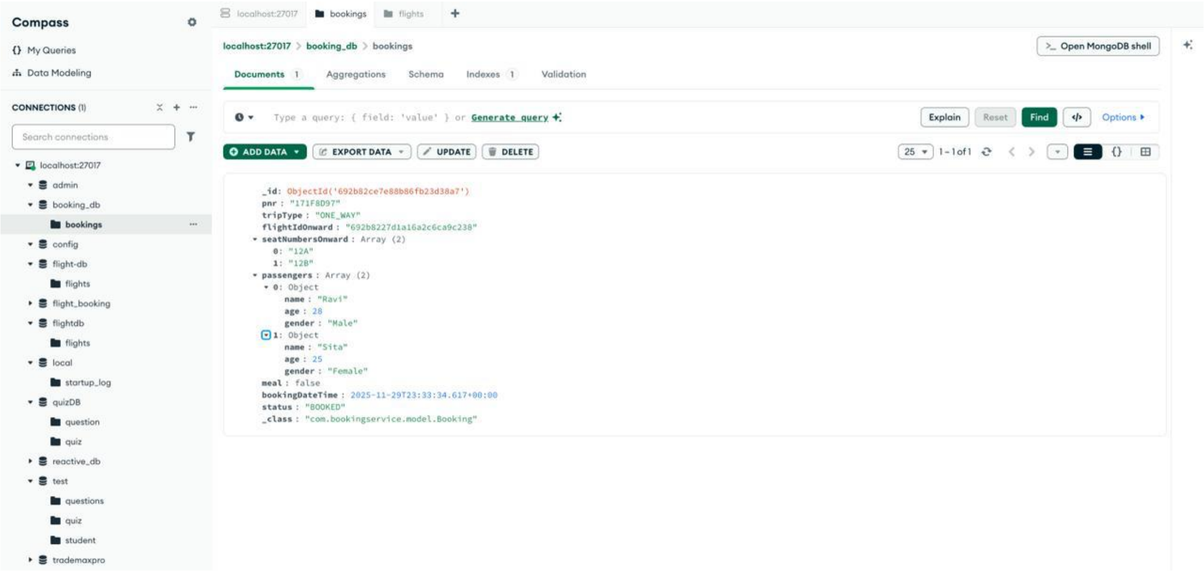
booking_db	20.48 kB	1	1
config	12.29 kB	0	2
flightdb	20.48 kB	1	1

FlightDB:



```
_id: ObjectId('692b8227d1a16a2c6ca9c238')
fromCity : "HYD"
toCity : "DEL"
date : "2025-12-10"
totalSeats : 100
availableSeats : 100
_class : "com.flightservice.model.Flight"
```

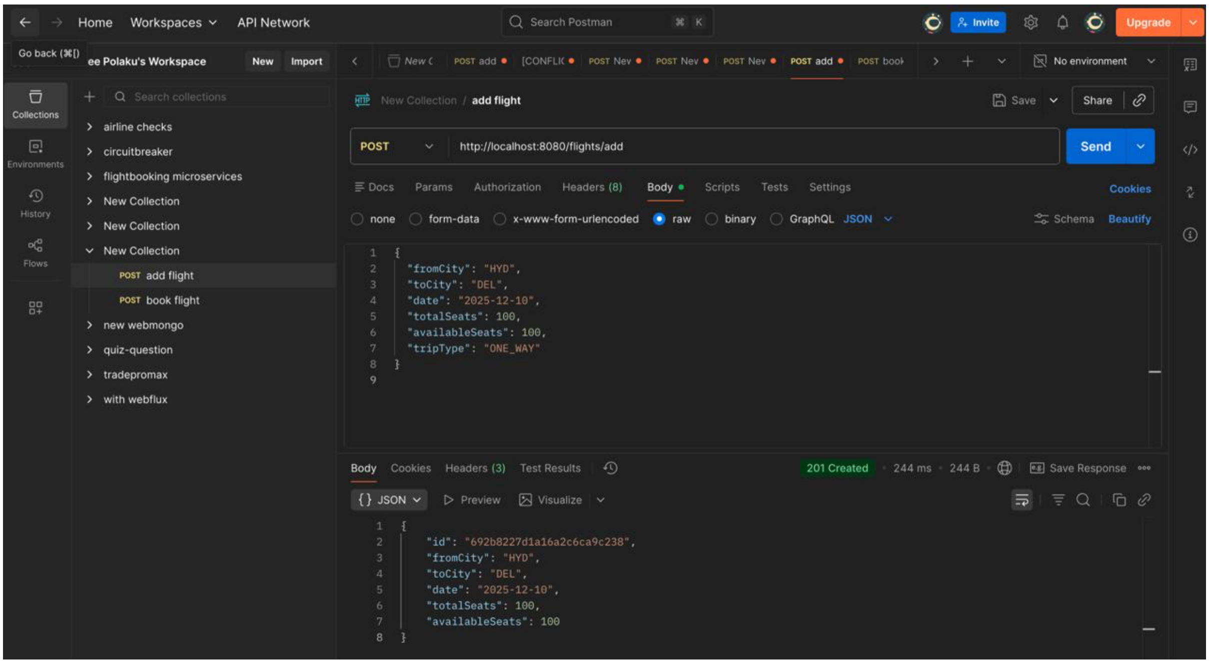
BookingDB:



```
_id: ObjectId('692b82ce7e88b86fb23d38a7')
pnr : "171F8D97"
tripType : "ONE_WAY"
flightIdOnward : "692b8227d1a16a2c6ca9c238"
seatNumbersOnward : Array (2)
  0: "12A"
  1: "12B"
passengers : Array (2)
  0: Object
    name : "Ravi"
    age : 28
    gender : "Male"
  1: Object
    name : "Sita"
    age : 25
    gender : "Female"
meal : false
bookingDateTime : 2025-11-29T23:33:34.617+00:00
status : "BOOKED"
_class : "com.bookingservice.model.Booking"
```

Postman:

Add Inventory:



POST http://localhost:8080/flights/add

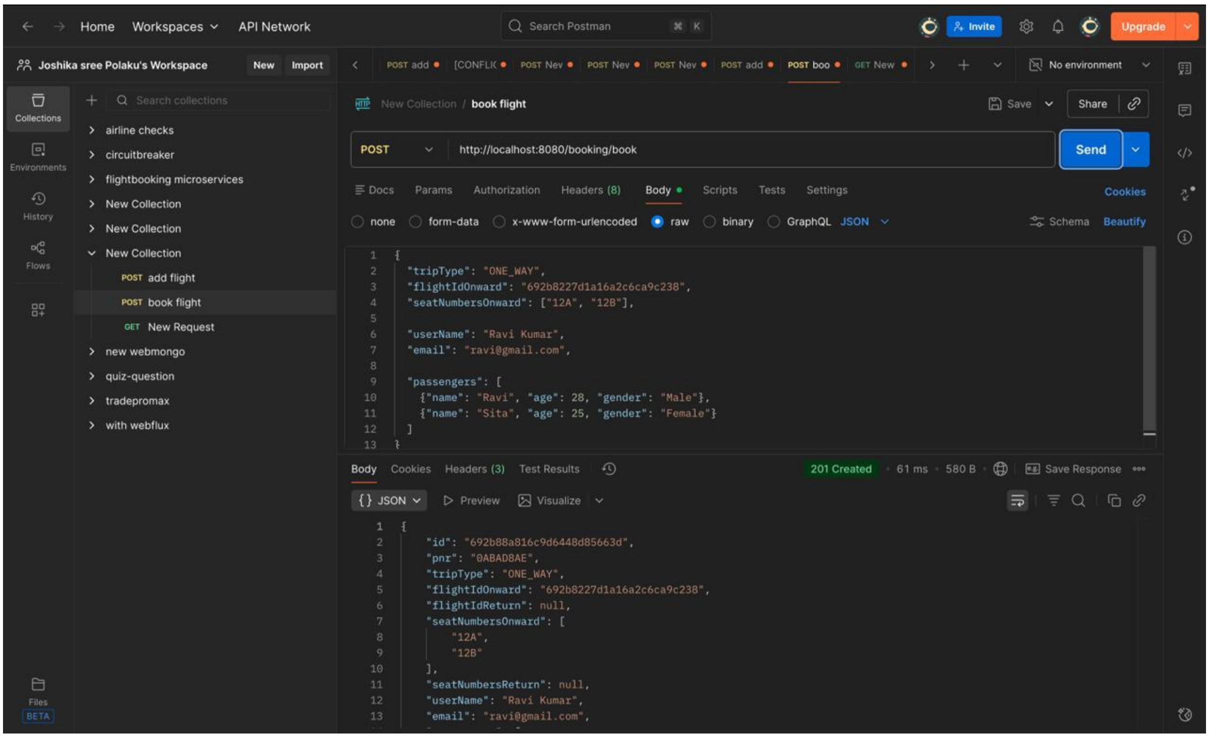
Body: ● raw JSON

```
{
  "fromCity": "HYD",
  "toCity": "DEL",
  "date": "2025-12-10",
  "totalSeats": 100,
  "availableSeats": 100,
  "tripType": "ONE_WAY"
}
```

201 Created · 244 ms · 244 B

```
{
    "id": "692b8227d1a16a2c6ca9c238",
    "fromCity": "HYD",
    "toCity": "DEL",
    "date": "2025-12-10",
    "totalSeats": 100,
    "availableSeats": 100
}
```

Book Flight:



POST http://localhost:8080/booking/book

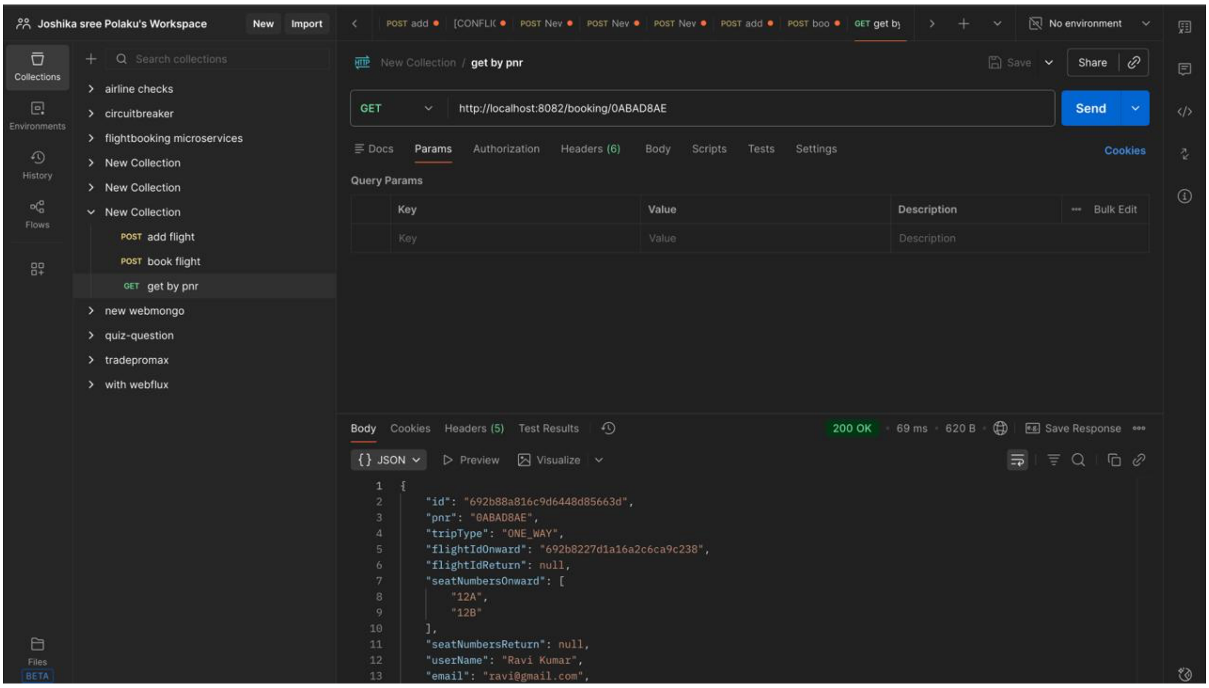
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "tripType": "ONE_WAY",
  "flightIdOnward": "692b8227d1a16a2c6ca9c238",
  "seatNumbersOnward": ["12A", "12B"],

  "userName": "Ravi Kumar",
  "email": "ravi@gmail.com",

  "passengers": [
    {"name": "Ravi", "age": 28, "gender": "Male"},
    {"name": "Sita", "age": 25, "gender": "Female"}
  ]
}
```

201 Created · 61 ms · 580 B

```
{
    "id": "692b88a816c9d6448d85663d",
    "pnr": "0ABAD8AE",
    "tripType": "ONE_WAY",
    "flightIdOnward": "692b8227d1a16a2c6ca9c238",
    "flightIdReturn": null,
    "seatNumbersOnward": [
        "12A",
        "12B"
    ],
    "seatNumbersReturn": null,
    "userName": "Ravi Kumar",
    "email": "ravi@gmail.com",
```

Get details by PNR:



GET http://localhost:8082/booking/0ABAD8AE

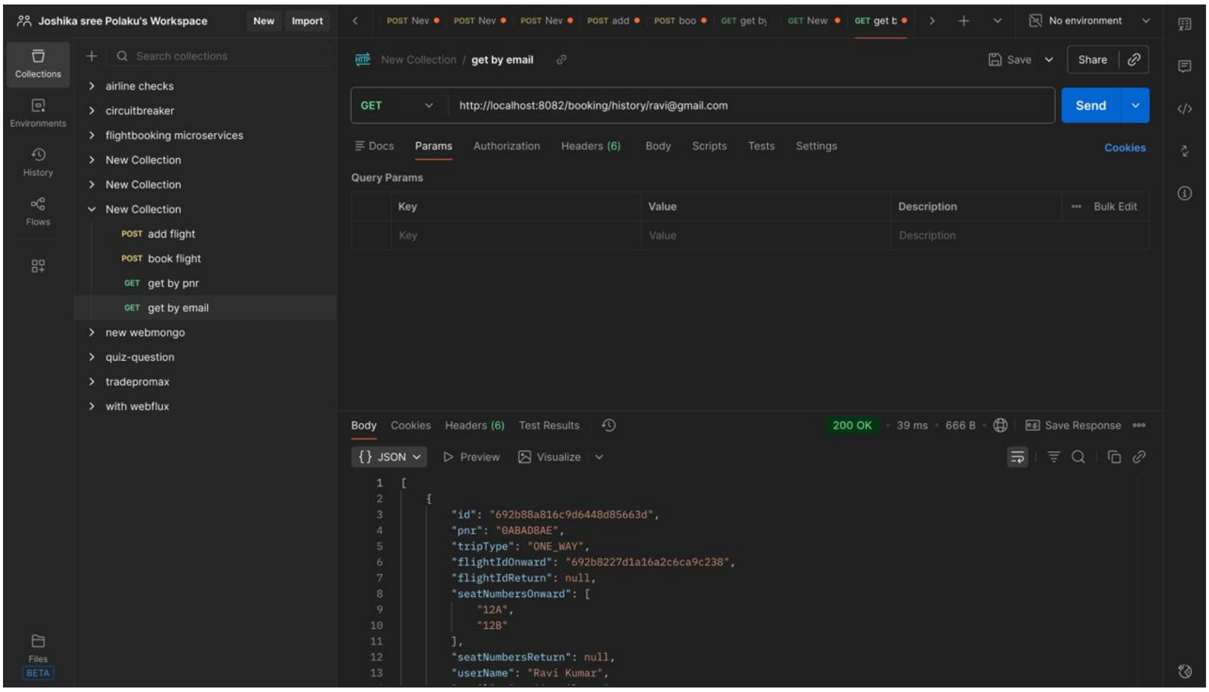
Query Params

Key	Value	Description
Key	Value	Description

200 OK · 69 ms · 620 B

```
{
    "id": "692b88a816c9d6448d85663d",
    "pnr": "0ABAD8AE",
    "tripType": "ONE_WAY",
    "flightIdOnward": "692b8227d1a16a2c6ca9c238",
    "flightIdReturn": null,
    "seatNumbersOnward": [
        "12A",
        "12B"
    ],
    "seatNumbersReturn": null,
    "userName": "Ravi Kumar",
    "email": "ravi@gmail.com",
```

Get details by EmailID:

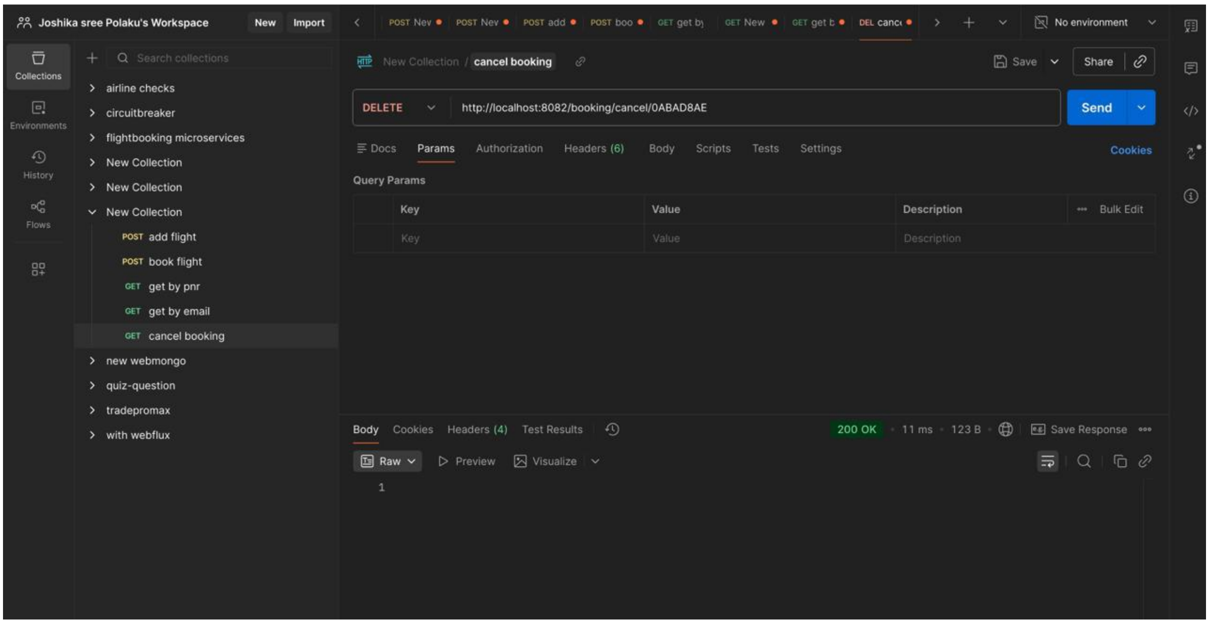


GET http://localhost:8082/booking/history/ravi@gmail.com

200 OK · 39 ms · 666 B

```
[
    {
        "id": "692b88a816c9d6448d85663d",
        "pnr": "0ABAD8AE",
        "tripType": "ONE_WAY",
        "flightIdOnward": "692b8227d1a16a2c6ca9c238",
        "flightIdReturn": null,
        "seatNumbersOnward": [
            "12A",
            "12B"
        ],
        "seatNumbersReturn": null,
        "userName": "Ravi Kumar",
```

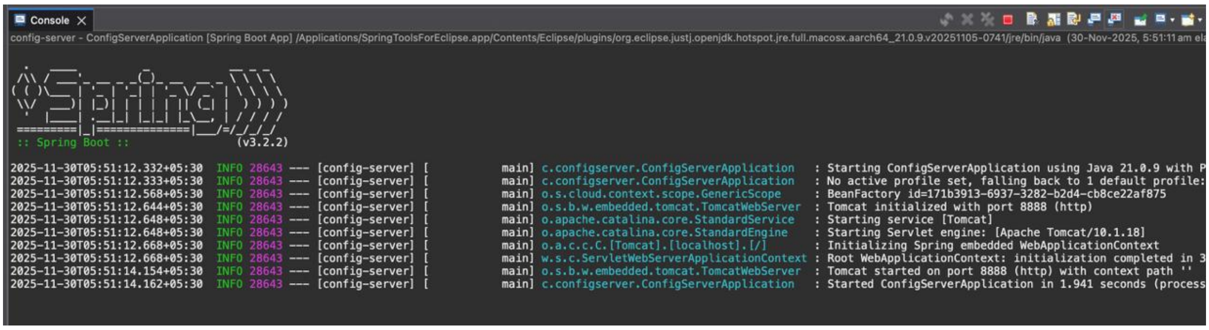
Cancel Booking:



DELETE http://localhost:8082/booking/cancel/0ABAD8AE

200 OK · 11 ms · 123 B

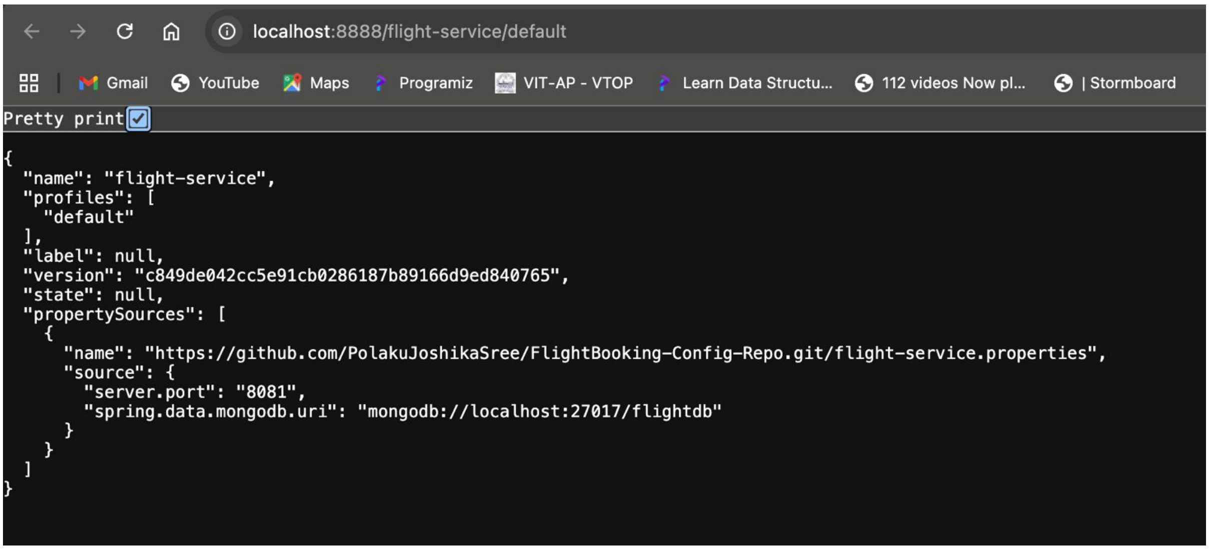
Spring Implementation:



config-server - ConfigServerApplication [Spring Boot App] /Applications/SpringToolsForEclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.aarch64_21.0.9.v20251105-0741/jre/bin/java (30-Nov-2025, 5:51:11 am ela

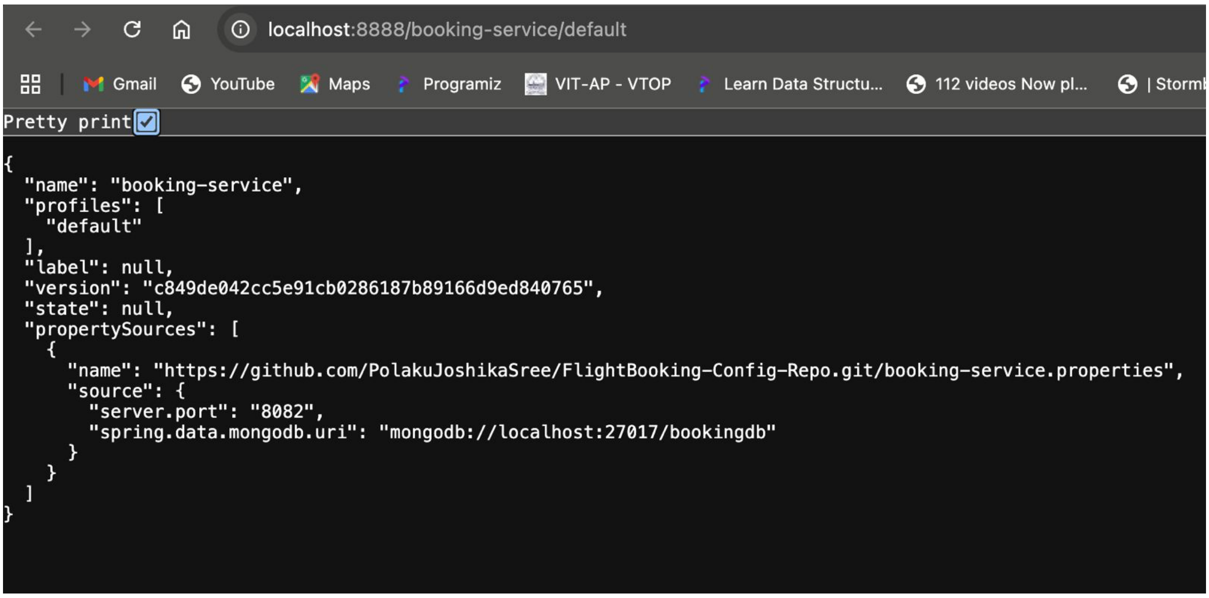
```
  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v3.2.2)

2025-11-30T05:51:12.332+05:30  INFO 28643 --- [config-server] [           main] c.configserver.ConfigServerApplication   : Starting ConfigServerApplication using Java 21.0.9 with P
2025-11-30T05:51:12.333+05:30  INFO 28643 --- [config-server] [           main] c.configserver.ConfigServerApplication   : No active profile set, falling back to 1 default profile:
2025-11-30T05:51:12.568+05:30  INFO 28643 --- [config-server] [           main] o.s.cloud.context.scope.GenericScope     : BeanFactory id=171b3913-6937-3282-b2d4-cb8ce22af875
2025-11-30T05:51:12.644+05:30  INFO 28643 --- [config-server] [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port 8888 (http)
2025-11-30T05:51:12.648+05:30  INFO 28643 --- [config-server] [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2025-11-30T05:51:12.648+05:30  INFO 28643 --- [config-server] [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apache Tomcat/10.1.18]
2025-11-30T05:51:12.668+05:30  INFO 28643 --- [config-server] [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2025-11-30T05:51:12.668+05:30  INFO 28643 --- [config-server] [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 3
2025-11-30T05:51:14.154+05:30  INFO 28643 --- [config-server] [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port 8888 (http) with context path ''
2025-11-30T05:51:14.162+05:30  INFO 28643 --- [config-server] [           main] c.configserver.ConfigServerApplication   : Started ConfigServerApplication in 1.941 seconds (process
```

Localhosts:



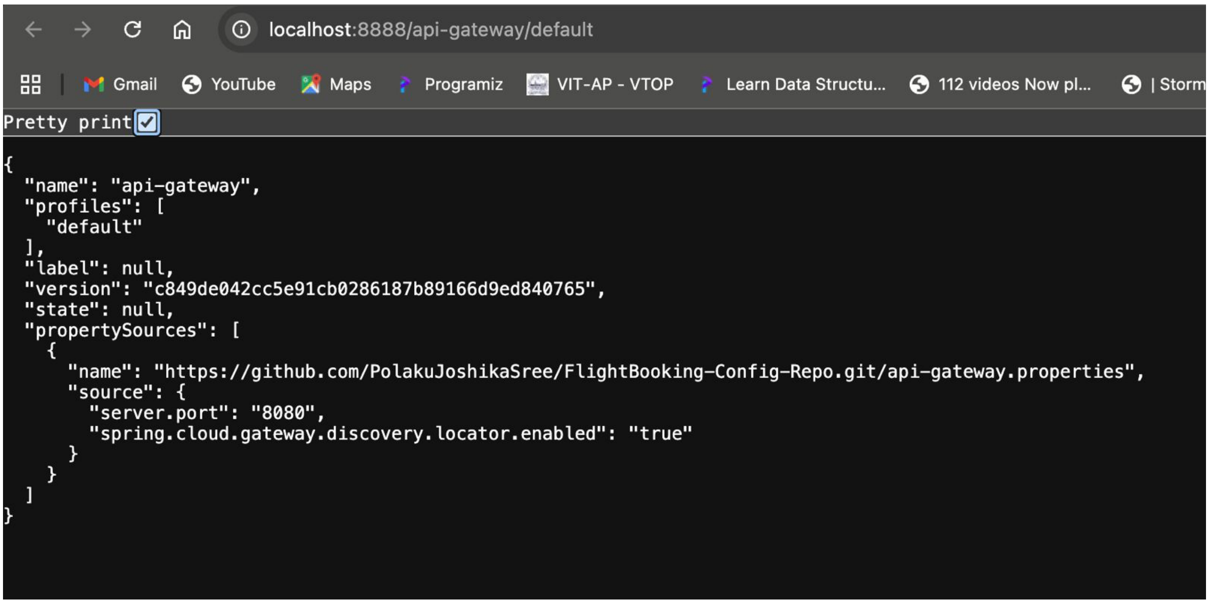
Pretty print ☑

```
{
  "name": "flight-service",
  "profiles": [
    "default"
  ],
  "label": null,
  "version": "c849de042cc5e91cb0286187b89166d9ed840765",
  "state": null,
  "propertySources": [
    {
      "name": "https://github.com/PolakuJoshikaSree/FlightBooking-Config-Repo.git/flight-service.properties",
      "source": {
        "server.port": "8081",
        "spring.data.mongodb.uri": "mongodb://localhost:27017/flightdb"
      }
    }
  ]
}
```



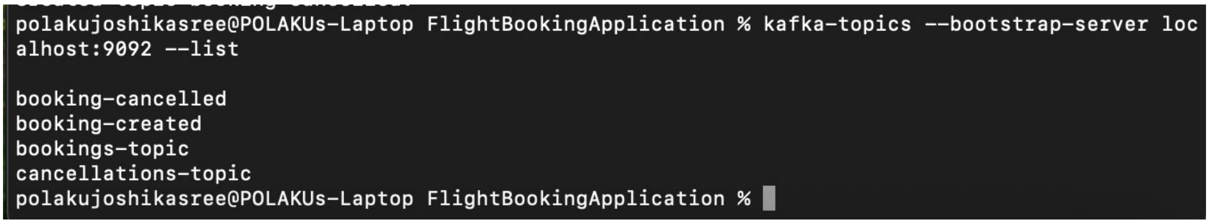
Pretty print ☑

```
{
  "name": "booking-service",
  "profiles": [
    "default"
  ],
  "label": null,
  "version": "c849de042cc5e91cb0286187b89166d9ed840765",
  "state": null,
  "propertySources": [
    {
      "name": "https://github.com/PolakuJoshikaSree/FlightBooking-Config-Repo.git/booking-service.properties",
      "source": {
        "server.port": "8082",
        "spring.data.mongodb.uri": "mongodb://localhost:27017/bookingdb"
      }
    }
  ]
}
```



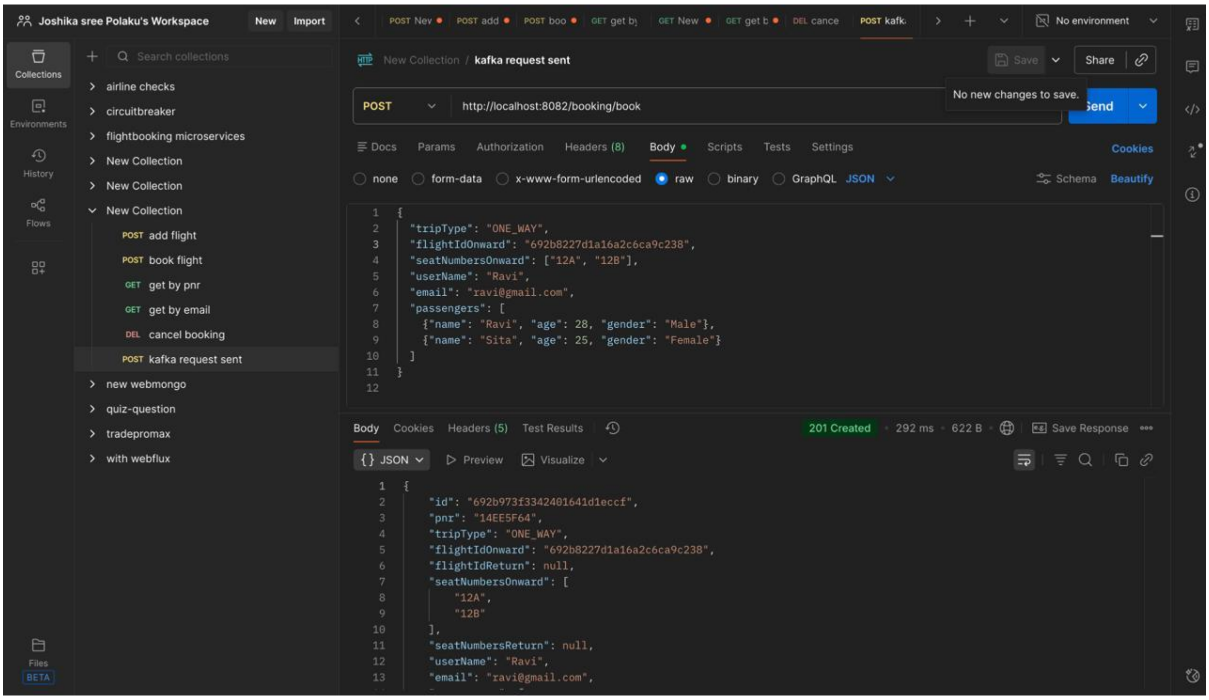
```
{
  "name": "api-gateway",
  "profiles": [
    "default"
  ],
  "label": null,
  "version": "c849de042cc5e91cb0286187b89166d9ed840765",
  "state": null,
  "propertySources": [
    {
      "name": "https://github.com/PolakuJoshikaSree/FlightBooking-Config-Repo.git/api-gateway.properties",
      "source": {
        "server.port": "8080",
        "spring.cloud.gateway.discovery.locator.enabled": "true"
      }
    }
  ]
}
```

Kafka :



```
polakujoshikasree@POLAKUs-Laptop FlightBookingApplication % kafka-topics --bootstrap-server loc
alhost:9092 --list

booking-cancelled
booking-created
bookings-topic
cancellations-topic
polakujoshikasree@POLAKUs-Laptop FlightBookingApplication % 
```

Running kafka :

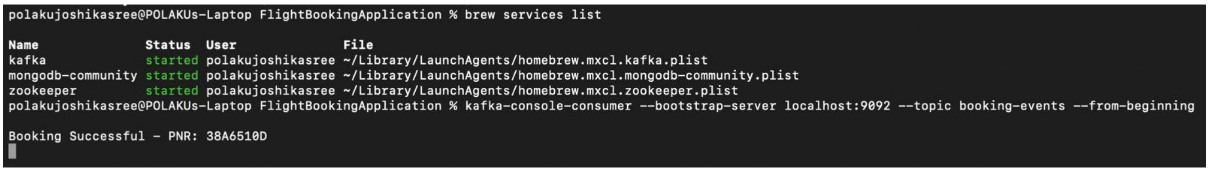


POST http://localhost:8082/booking/book

```
{
  "tripType": "ONE_WAY",
  "flightIdOnward": "692b8227d1a16a2c6ca9c238",
  "seatNumbersOnward": ["12A", "12B"],
  "userName": "Ravi",
  "email": "ravi@gmail.com",
  "passengers": [
    {"name": "Ravi", "age": 28, "gender": "Male"},
    {"name": "Sita", "age": 25, "gender": "Female"}
  ]
}
```

```
{
    "id": "692b973f3342401641d1eccf",
    "pnr": "14EE5F64",
    "tripType": "ONE_WAY",
    "flightIdOnward": "692b8227d1a16a2c6ca9c238",
    "flightIdReturn": null,
    "seatNumbersOnward": [
        "12A",
        "12B"
    ],
    "seatNumbersReturn": null,
    "userName": "Ravi",
    "email": "ravi@gmail.com",
```

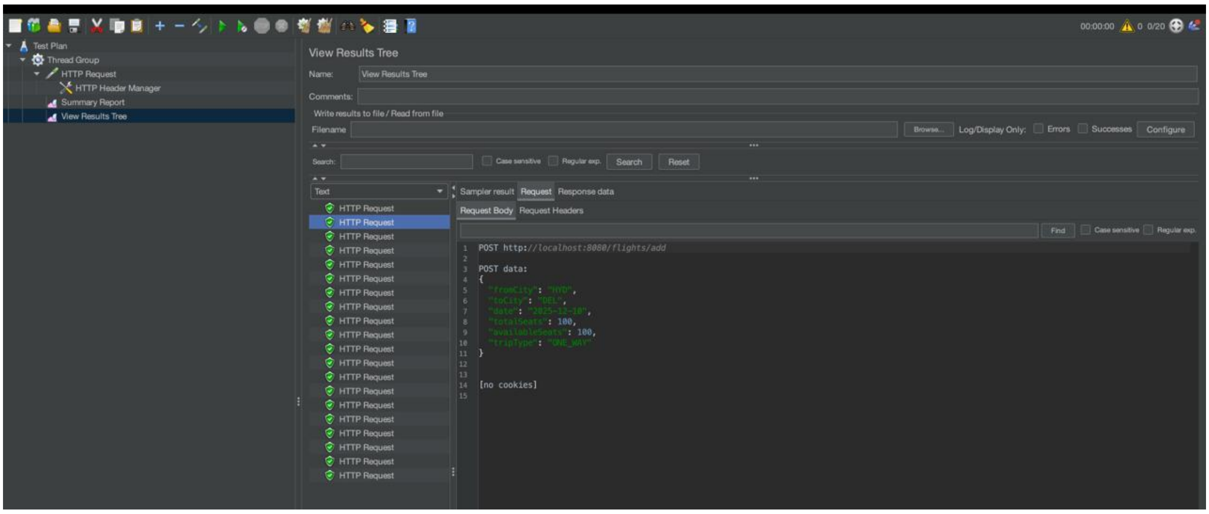
Kafka Notification:



```
polakujoshikasree@POLAKUs-Laptop FlightBookingApplication % brew services list

Name              Status  User             File
kafka             started polakujoshikasree ~/Library/LaunchAgents/homebrew.mxcl.kafka.plist
mongodb-community started polakujoshikasree ~/Library/LaunchAgents/homebrew.mxcl.mongodb-community.plist
zookeeper         started polakujoshikasree ~/Library/LaunchAgents/homebrew.mxcl.zookeeper.plist
polakujoshikasree@POLAKUs-Laptop FlightBookingApplication % kafka-console-consumer --bootstrap-server localhost:9092 --topic booking-events --from-beginning

Booking Successful - PNR: 38A6510D
```

JMeter:

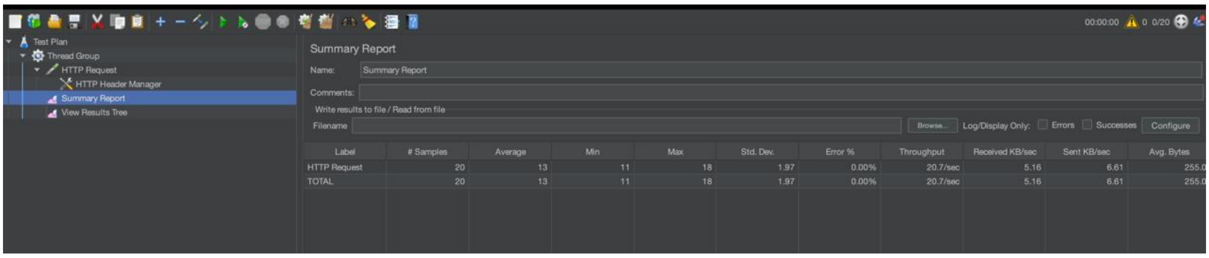
Post request (add inventory):



View Results Tree

Name: View Results Tree

```
POST http://localhost:8080/flights/add

POST data:
{
  "fromCity": "HYD",
  "toCity": "DEL",
  "date": "2025-12-10",
  "totalSeats": 100,
  "availableSeats": 100,
  "tripType": "ONE_WAY"
}


[no cookies]
```

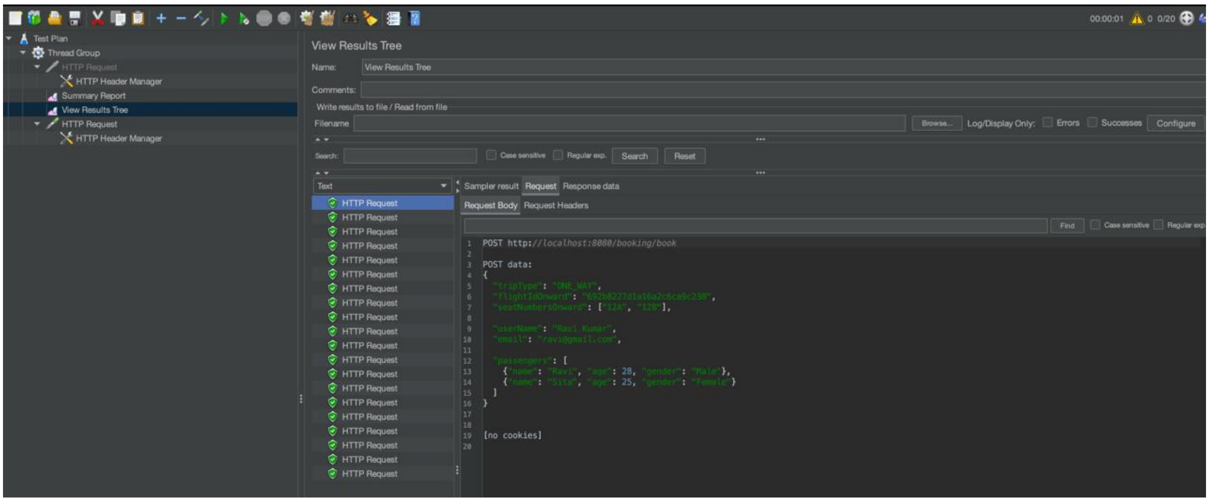


Summary Report

Name: Summary Report

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	13	11	18	1.97	0.00%	20.7/sec	5.16	6.61	255.0
TOTAL	20	13	11	18	1.97	0.00%	20.7/sec	5.16	6.61	255.0

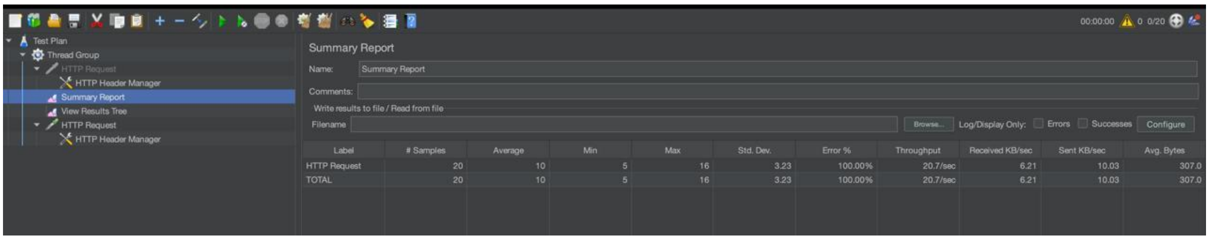
Add Booking :



View Results Tree

Name: View Results Tree

```
POST http://localhost:8080/booking/book

POST data:
{
  "tripType": "ONE_WAY",
  "flightIdOnward": "692b8227d1a16a2c6ca9c238",
  "seatNumbersOnward": ["12A", "12B"],

  "userName": "Ravi Kumar",
  "email": "ravi@gmail.com",

  "passengers": [
    {"name": "Ravi", "age": 28, "gender": "Male"},
    {"name": "Sita", "age": 25, "gender": "Female"}
  ]
}


[no cookies]
```



Summary Report

Name: Summary Report

Comments:

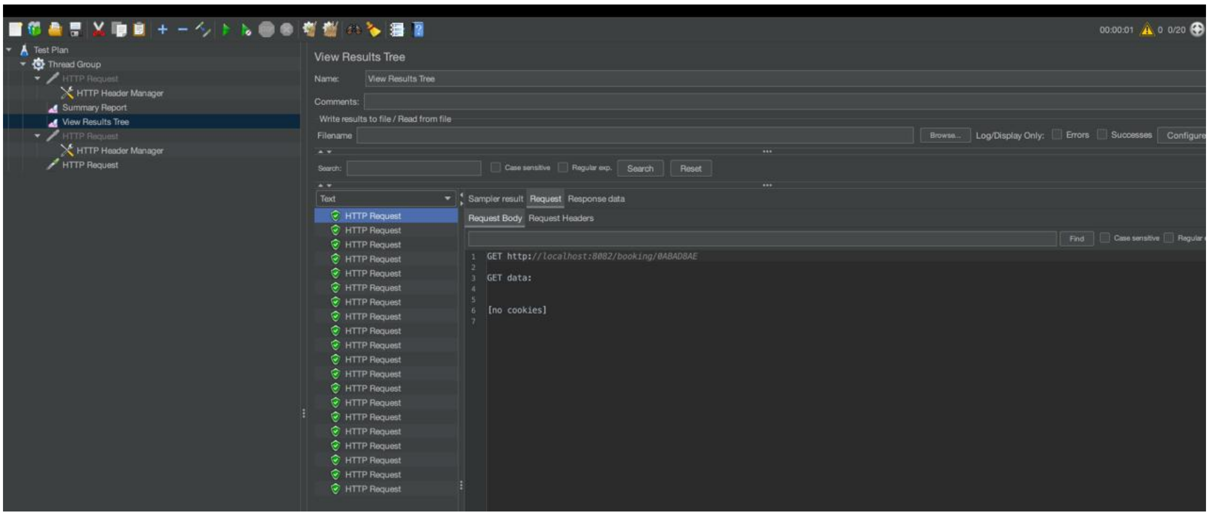
Write results to file / Read from file

Filename

Log/Display Only: □ Errors □ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	10	5	16	3.23	100.00%	20.7/sec	6.21	10.03	307.0
TOTAL	20	10	5	16	3.23	100.00%	20.7/sec	6.21	10.03	307.0

Get PNR:



View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

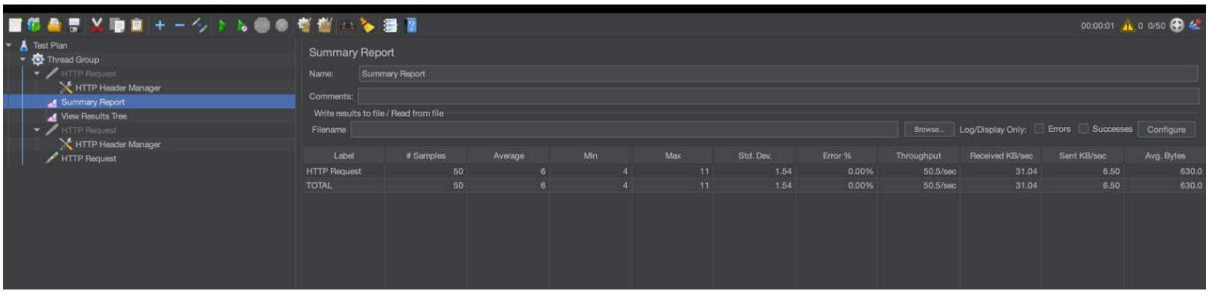
Filename

Log/Display Only: □ Errors □ Successes

Search: □ Case sensitive □ Regular exp.

□ Case sensitive □ Regular

```
GET http://localhost:8082/booking/0ABAD8AE

GET data:


[no cookies]
```



Summary Report

Name: Summary Report

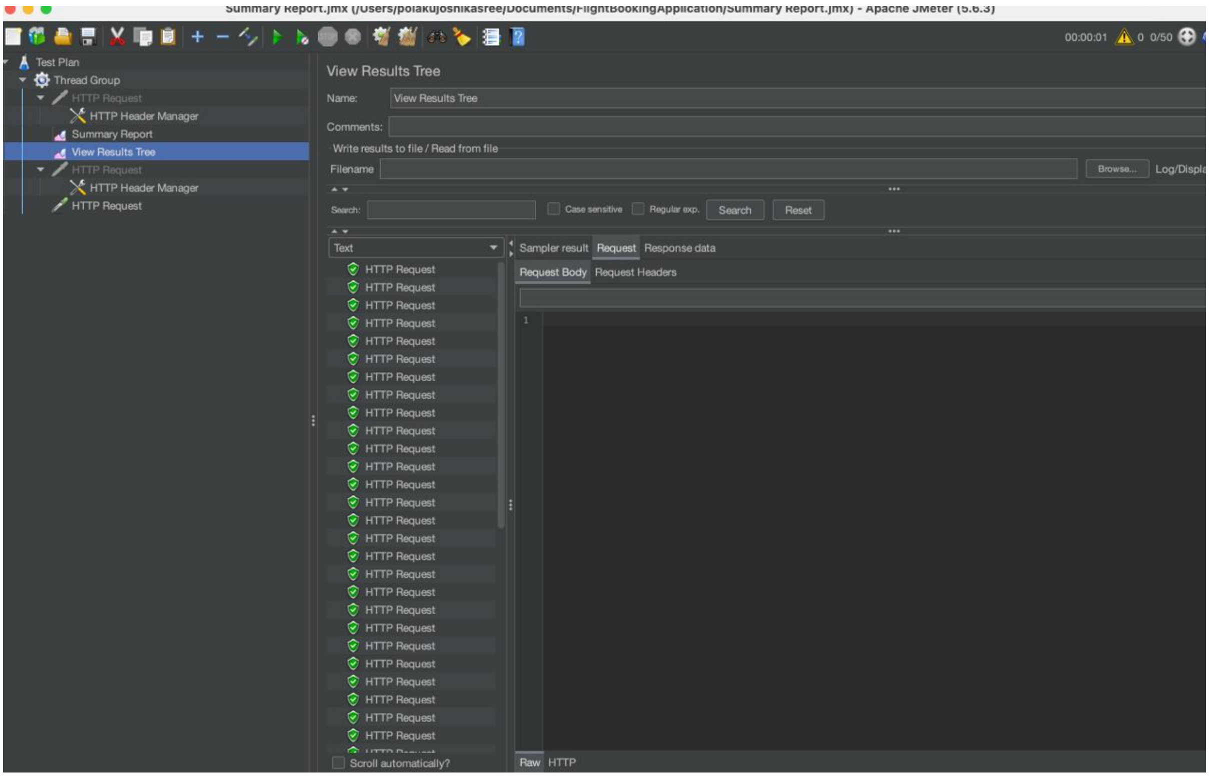
Comments:

Write results to file / Read from file

Filename

Log/Display Only: □ Errors □ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	50	6	4	11	1.54	0.00%	50.5/sec	31.04	6.50	630.0
TOTAL	50	6	4	11	1.54	0.00%	50.5/sec	31.04	6.50	630.0



Summary Report.jmx (/Users/polakujoshikasree/Documents/FlightBookingApplication/Summary Report.jmx) - Apache JMeter (5.6.3)

00:00:01 ⚠ 0 0/50

- Test Plan
  - Thread Group
    - HTTP Request
      - HTTP Header Manager
    - Summary Report
    - View Results Tree
    - HTTP Request
      - HTTP Header Manager
    - HTTP Request

View Results Tree

Name: View Results Tree

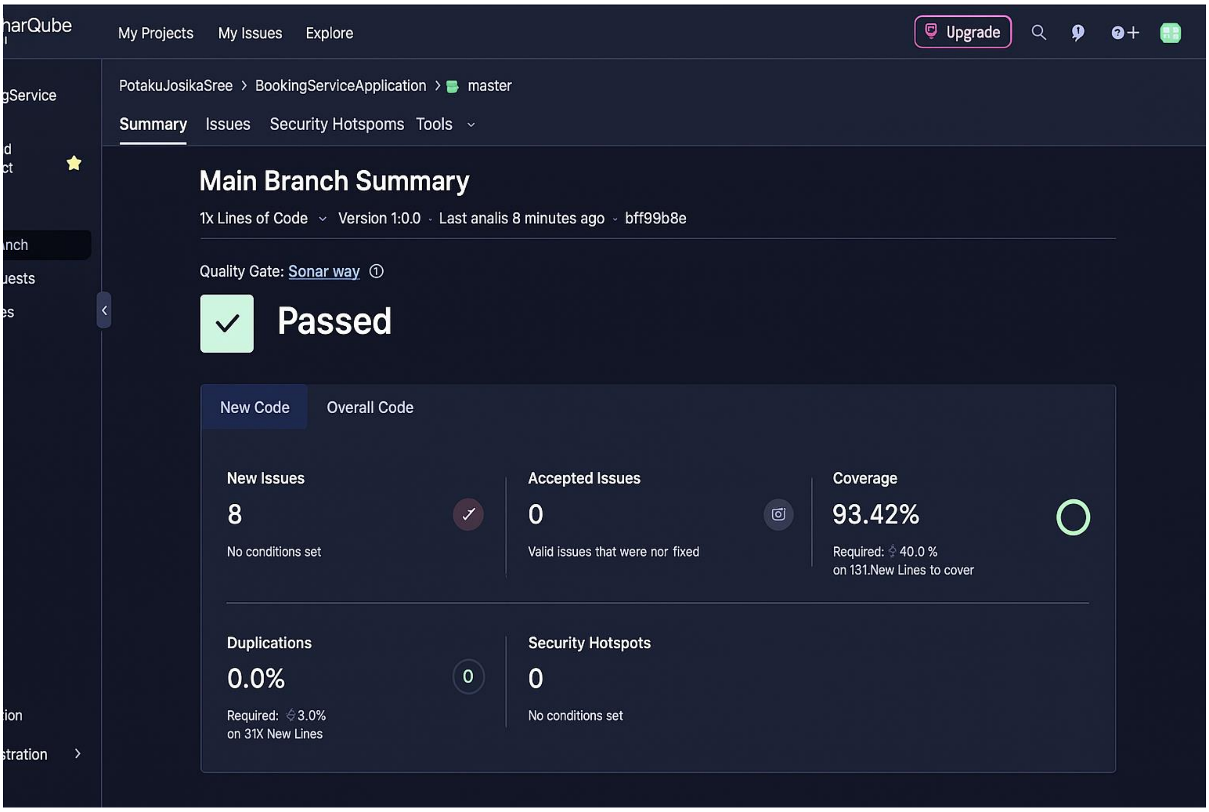
Comments:

Write results to file / Read from file

Filename

✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request
✓ HTTP Request

SonarAnalysis:



PotakuJosikaSree › BookingServiceApplication › master

Main Branch Summary

1x Lines of Code · Version 1:0.0 · Last analis 8 minutes ago · bff99b8e

Quality Gate: Sonar way

✓ Passed

New Issues
8
No conditions set

Accepted Issues
0
Valid issues that were nor fixed

Coverage
93.42%
Required: 40.0 %
on 131.New Lines to cover

Duplications
0.0%
Required: 3.0%
on 31X New Lines

Security Hotspots
0
No conditions set