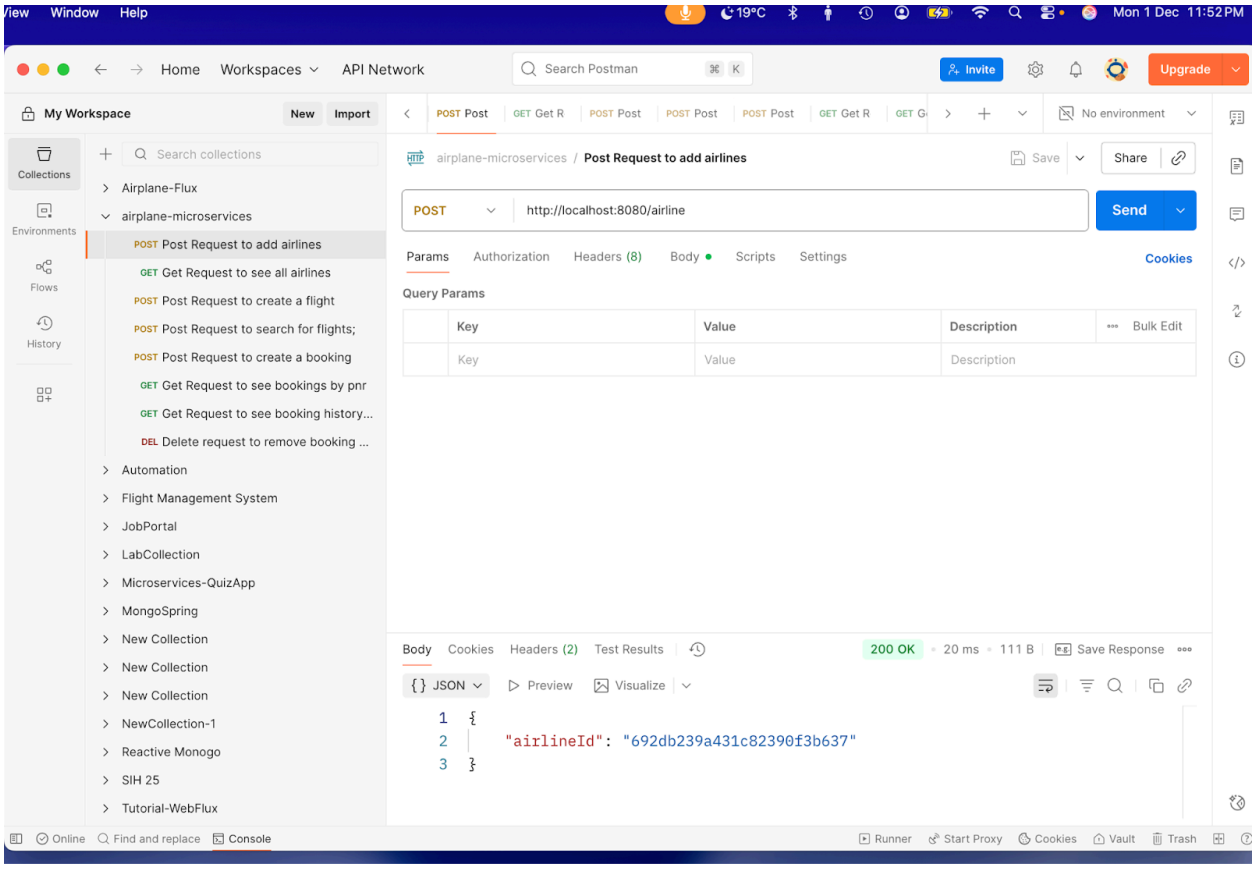
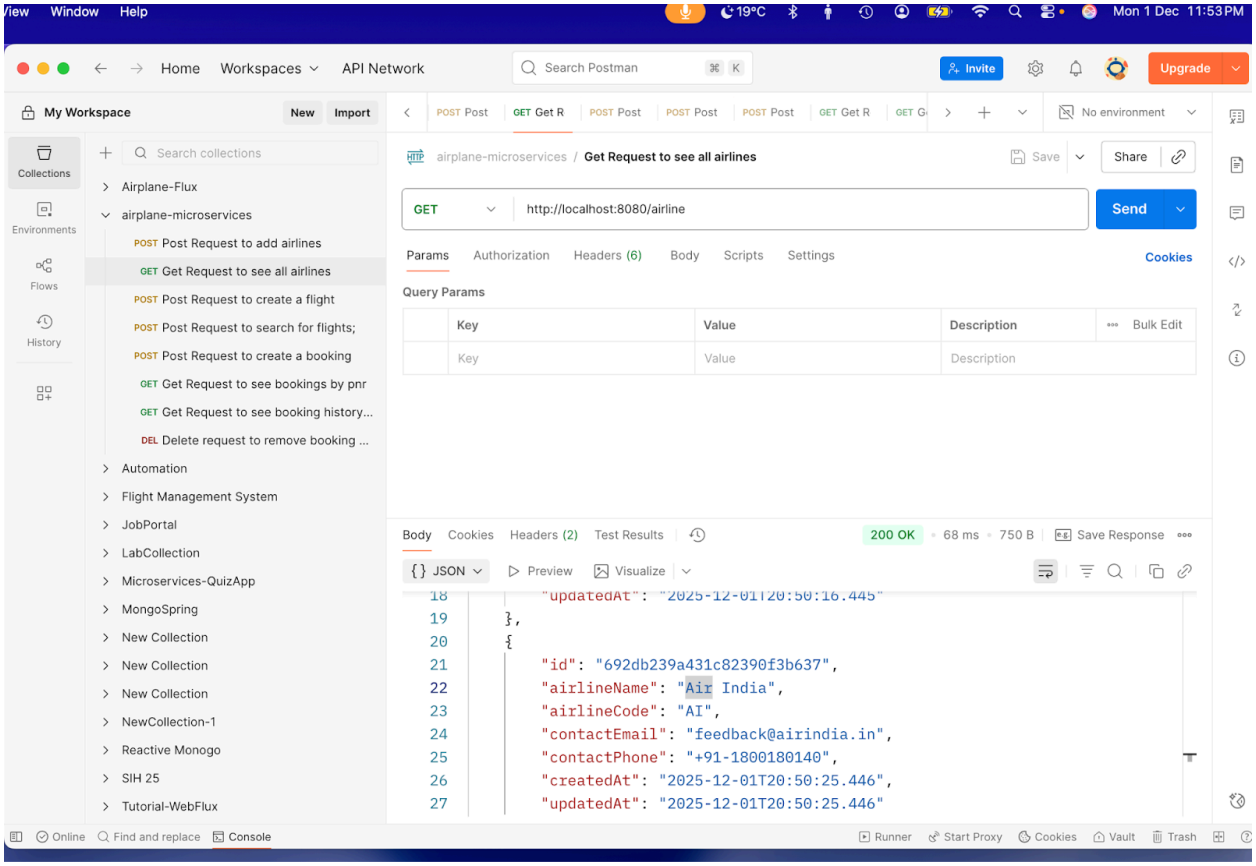
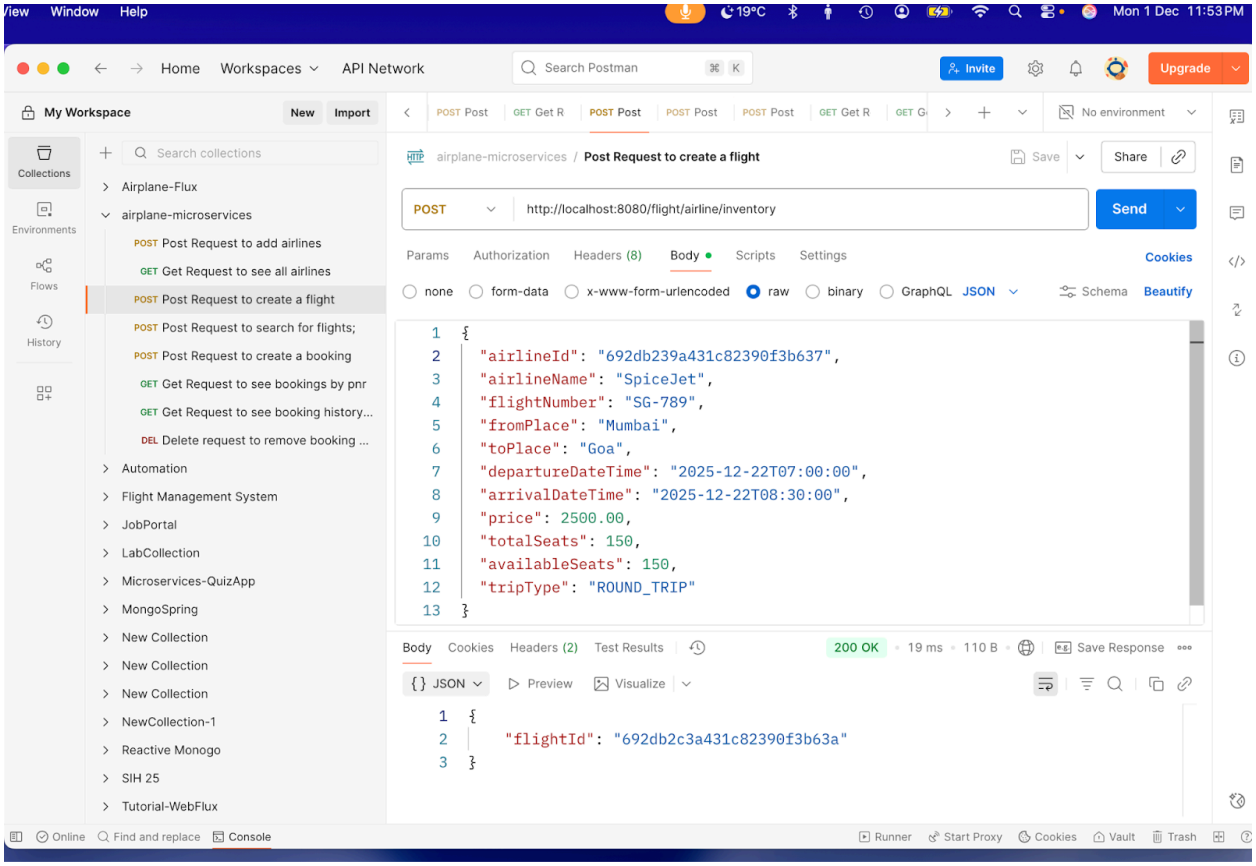
Postman Testing




Window Help
19°C
Mon 1 Dec 11:53 PM
Home Workspaces API Network
Search Postman
Invite
Upgrade
My Workspace
New Import
Collections
Environments
Flows
History
Search collections
Airplane-Flux
airplane-microservices
POST Post Request to add airlines
GET Get Request to see all airlines
POST Post Request to create a flight
POST Post Request to search for flights;
POST Post Request to create a booking
GET Get Request to see bookings by pnr
GET Get Request to see booking history...
DEL Delete request to remove booking ...
Automation
Flight Management System
JobPortal
LabCollection
Microservices-QuizApp
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Get Request to see all airlines
Save
Share
GET
http://localhost:8080/airline
Send
Params Authorization Headers (6) Body Scripts Settings
Cookies
Query Params
Key Value Description Bulk Edit
Body Cookies Headers (2) Test Results
200 OK 68 ms 750 B Save Response
JSON Preview Visualize
"updatedAt": "2025-12-01T20:50:16.445"
},
{
"id": "692db239a431c82390f3b637",
"airlineName": "Air India",
"airlineCode": "AI",
"contactEmail": "feedback@airindia.in",
"contactPhone": "+91-1800180140",
"createdAt": "2025-12-01T20:50:25.446",
"updatedAt": "2025-12-01T20:50:25.446"
Online Find and replace Console
Runner Start Proxy Cookies Vault Trash


Home
Workspaces
API Network
Search Postman
Invite
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My Workspace
New
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Flows
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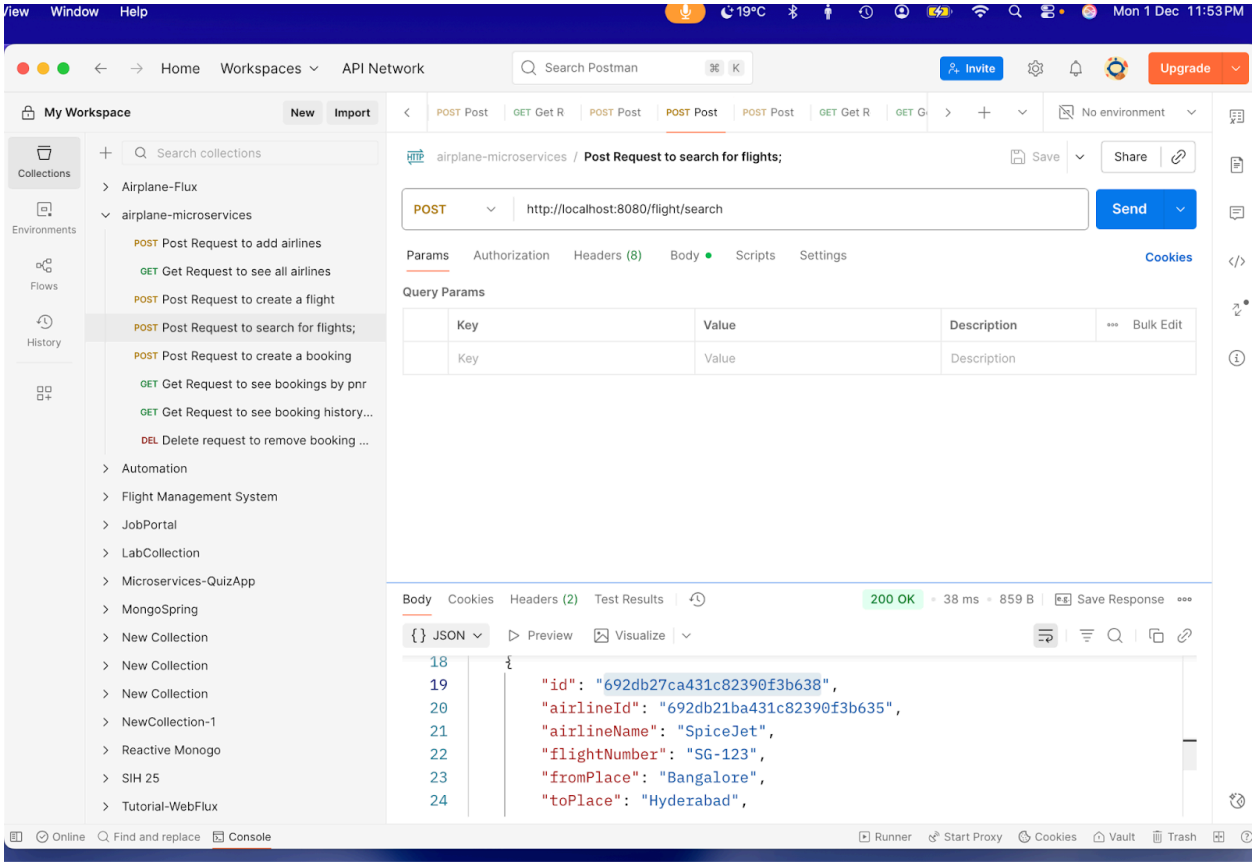
Microservices-QuizApp
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Post Request to create a flight
Save
Share
POST
http://localhost:8080/flight/airline/inventory
Send
Params
Authorization
Headers (8)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Schema
Beautify
{
"airlineId": "692db239a431c82390f3b637",
"airlineName": "SpiceJet",
"flightNumber": "SG-789",
"fromPlace": "Mumbai",
"toPlace": "Goa",
"departureDateTime": "2025-12-22T07:00:00",
"arrivalDateTime": "2025-12-22T08:30:00",
"price": 2500.00,
"totalSeats": 150,
"availableSeats": 150,
"tripType": "ROUND_TRIP"
}
Body
Cookies
Headers (2)
Test Results
200 OK
19 ms
110 B
Save Response
JSON
Preview
Visualize
{
"flightId": "692db2c3a431c82390f3b63a"
}
Online
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


Window Help
19°C
Mon 1 Dec 11:53 PM
Home Workspaces API Network
Search Postman
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New Import
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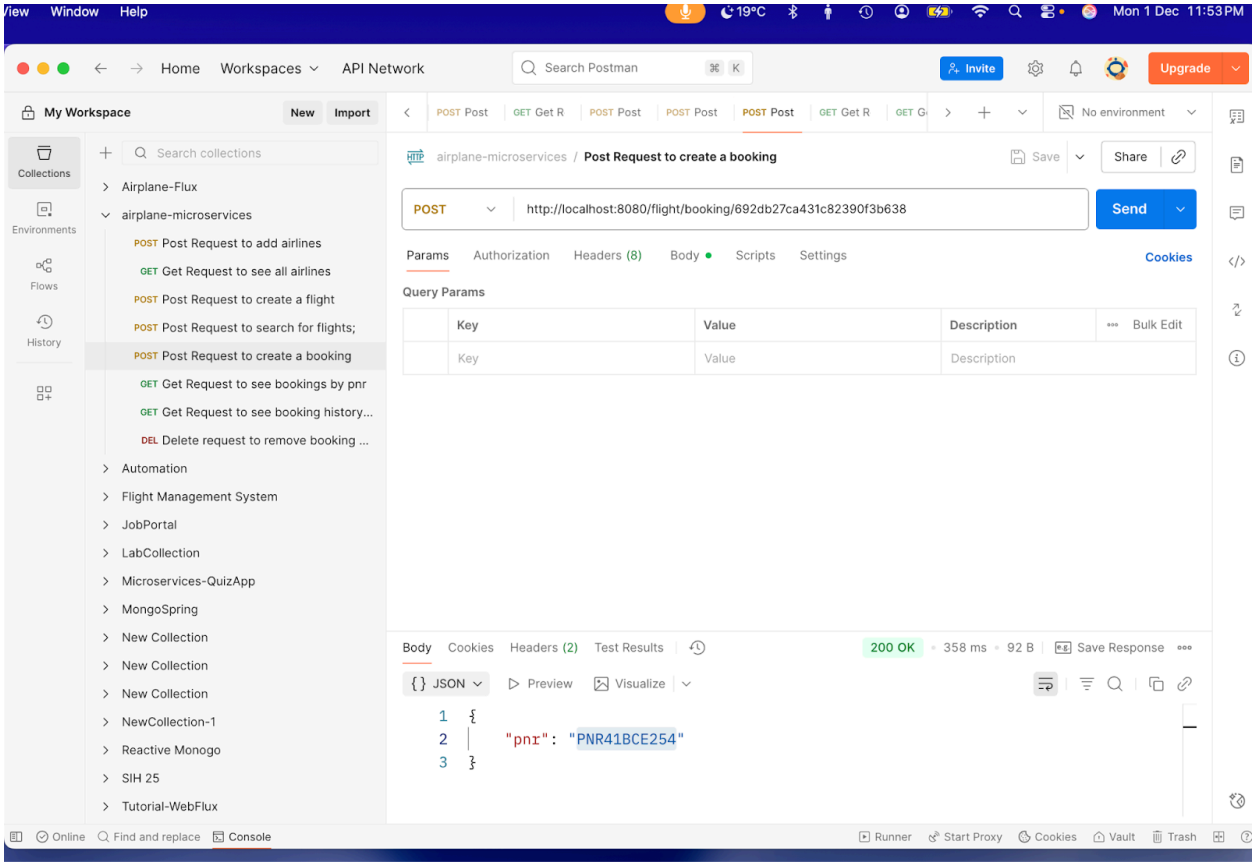
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Post Request to search for flights;
Save
Share
POST
http://localhost:8080/flight/search
Send
Params Authorization Headers (8) Body Scripts Settings
Cookies
Query Params
Key Value Description Bulk Edit
Key Value Description
Body Cookies Headers (2) Test Results
200 OK 38 ms 859 B Save Response
{} JSON Preview Visualize
{
"id": "692db27ca431c82390f3b638",
"airlineId": "692db21ba431c82390f3b635",
"airlineName": "SpiceJet",
"flightNumber": "SG-123",
"fromPlace": "Bangalore",
"toPlace": "Hyderabad",
Online Find and replace Console
Runner Start Proxy Cookies Vault Trash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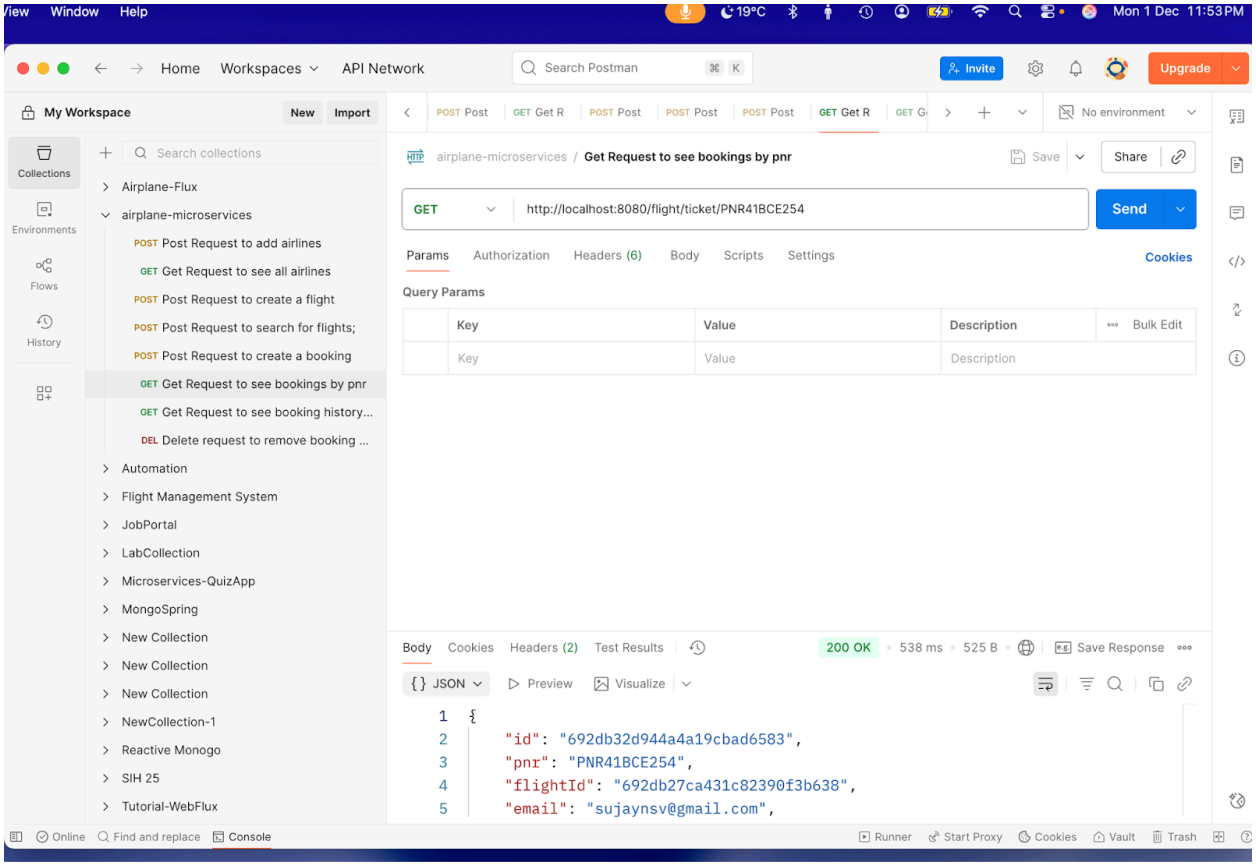
LabCollection
Microservices-QuizApp
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Post Request to create a booking
Save
Share
POST
http://localhost:8080/flight/booking/692db27ca431c82390f3b638
Send
Params Authorization Headers (8) Body Scripts Settings
Cookies
Query Params
Key Value Description Bulk Edit
Body Cookies Headers (2) Test Results
200 OK 358 ms 92 B Save Response
JSON Preview Visualize
{
"pnr": "PNR41BCE254"
}
Online Find and replace Console
Runner Start Proxy Cookies Vault Trash


Window Help
19°C
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Invite
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DEL Delete request to remove booking ...
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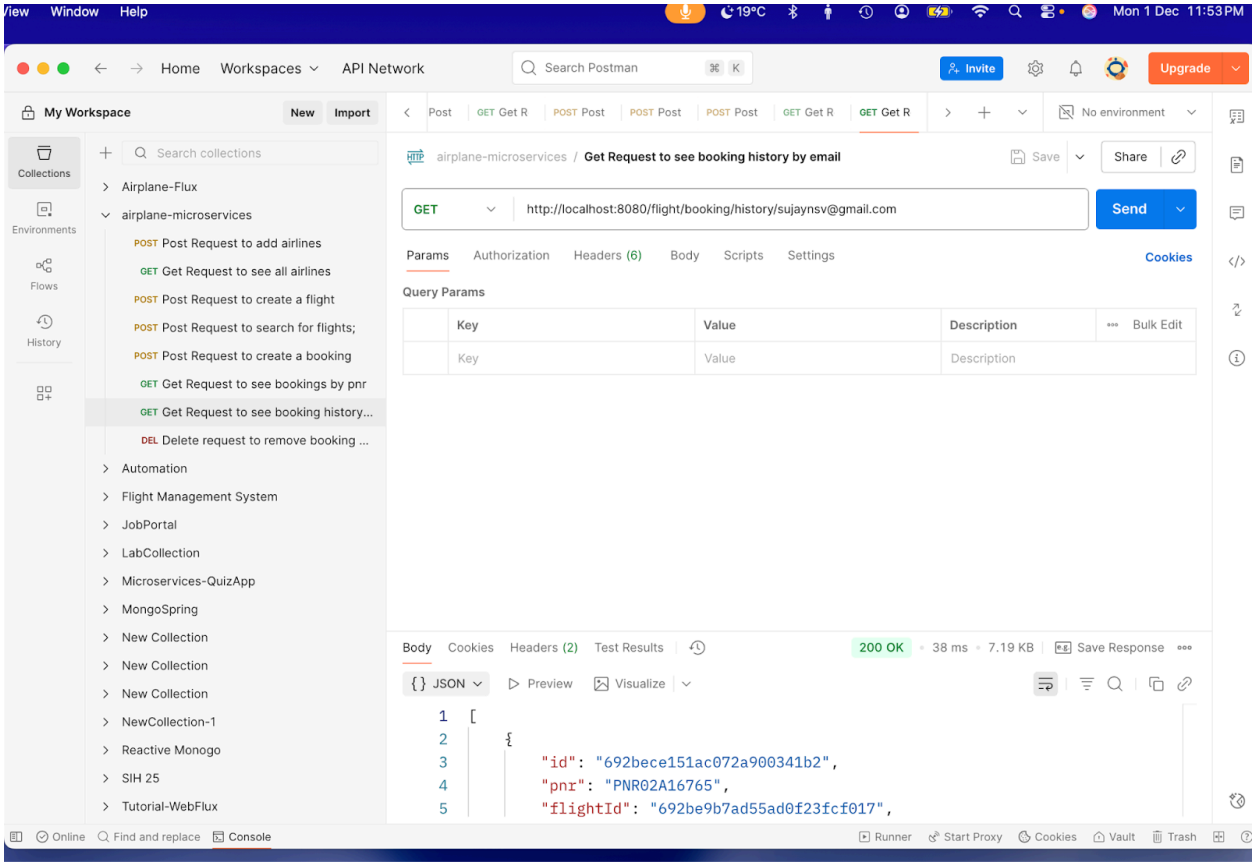
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Get Request to see bookings by pnr
Save
Share
GET
http://localhost:8080/flight/ticket/PNR41BCE254
Send
Params Authorization Headers (6) Body Scripts Settings
Cookies
Query Params
Key Value Description Bulk Edit
Body Cookies Headers (2) Test Results
200 OK 538 ms 525 B
Save Response
{ } JSON Preview Visualize
{
"id": "692db32d944a4a19cbad6583",
"pnr": "PNR41BCE254",
"flightId": "692db27ca431c82390f3b638",
"email": "sujaynsv@gmail.com",
Online Find and replace Console
Runner Start Proxy Cookies Vault Trash


Home
Workspaces
API Network
Search Postman
Invite
Upgrade
My Workspace
New
Import
Collections
Environments
Flows
History
Search collections
Airplane-Flux
airplane-microservices
POST Post Request to add airlines
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POST Post Request to create a booking
GET Get Request to see bookings by pnr
GET Get Request to see booking history...
DEL Delete request to remove booking ...
Automation
Flight Management System
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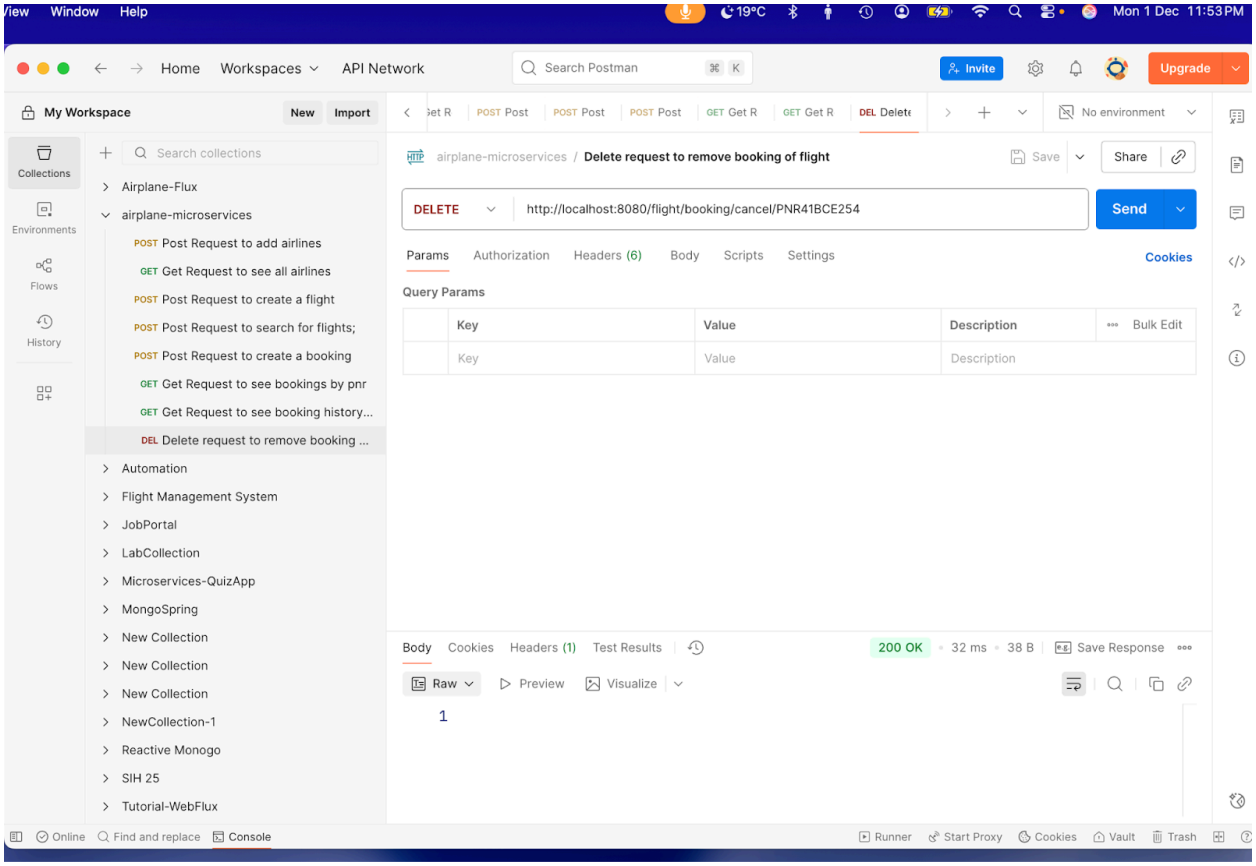
LabCollection
Microservices-QuizApp
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Get Request to see booking history by email
Save
Share
GET
http://localhost:8080/flight/booking/history/sujaynsv@gmail.com
Send
Params
Authorization
Headers (6)
Body
Scripts
Settings
Cookies
Query Params
Key
Value
Description
Bulk Edit
Body
Cookies
Headers (2)
Test Results
200 OK
38 ms
7.19 KB
Save Response
JSON
Preview
Visualize
[
{
"id": "692bece151ac072a900341b2",
"pnr": "PNR02A16765",
"flightId": "692be9b7ad55ad0f23fcf017",
Online
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


Window Help
19°C
Mon 1 Dec 11:53 PM
Home
Workspaces
API Network
Search Postman
Invite
Upgrade
My Workspace
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Import
Collections
Environments
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History
Search collections
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airplane-microservices
POST Post Request to add airlines
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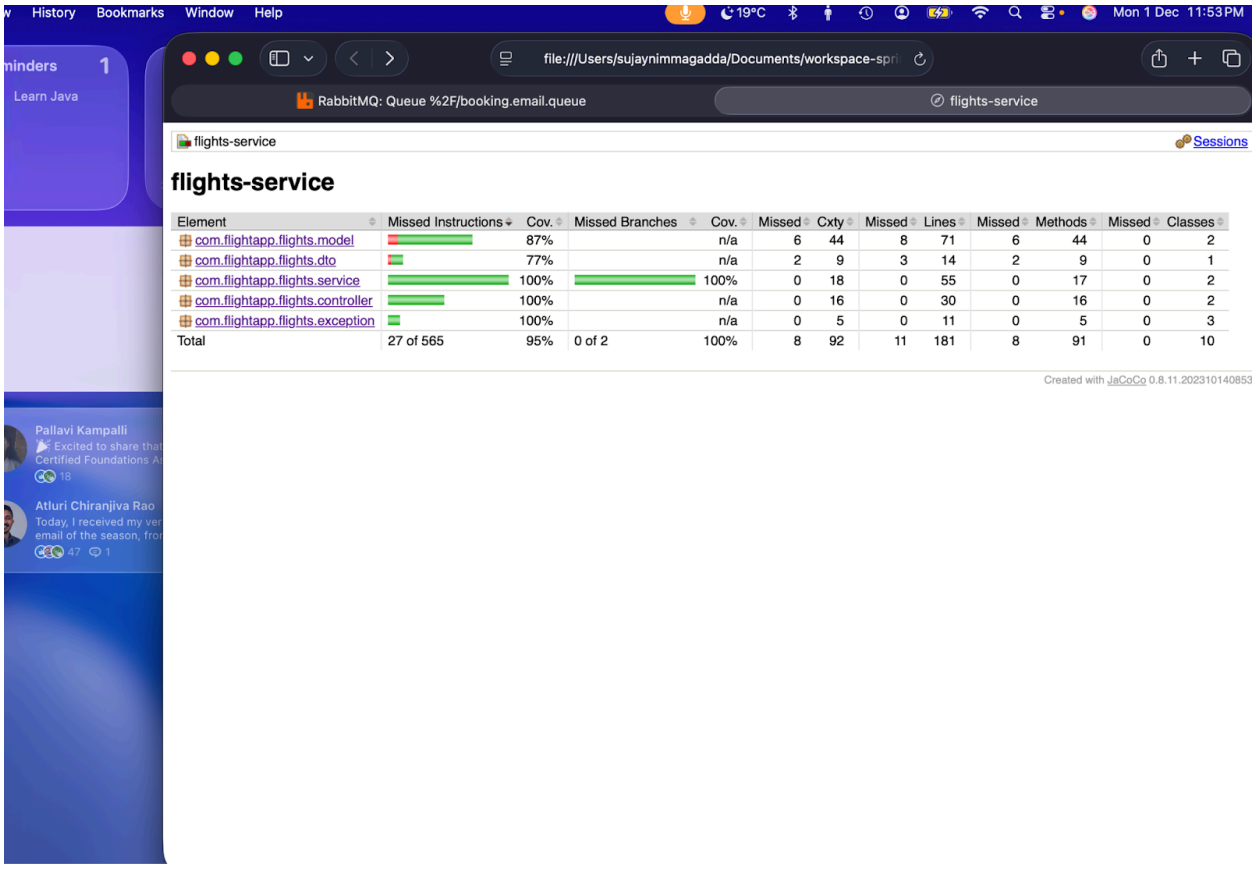
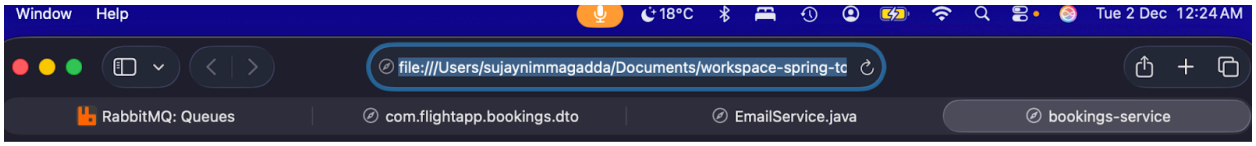
GET Get Request to see bookings by pnr
GET Get Request to see booking history...
DEL Delete request to remove booking ...
Automation
Flight Management System
JobPortal
LabCollection
Microservices-QuizApp
MongoSpring
New Collection
New Collection
New Collection
NewCollection-1
Reactive Monogo
SIH 25
Tutorial-WebFlux
No environment
airplane-microservices / Delete request to remove booking of flight
Save
Share
DELETE
http://localhost:8080/flight/booking/cancel/PNR41BCE254
Send
Params
Authorization
Headers (6)
Body
Scripts
Settings
Cookies
Query Params
Key
Value
Description
Bulk Edit
Body
Cookies
Headers (1)
Test Results
200 OK
32 ms
38 B
Save Response
Raw
Preview
Visualize
1
Online
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash

Jacoco Report





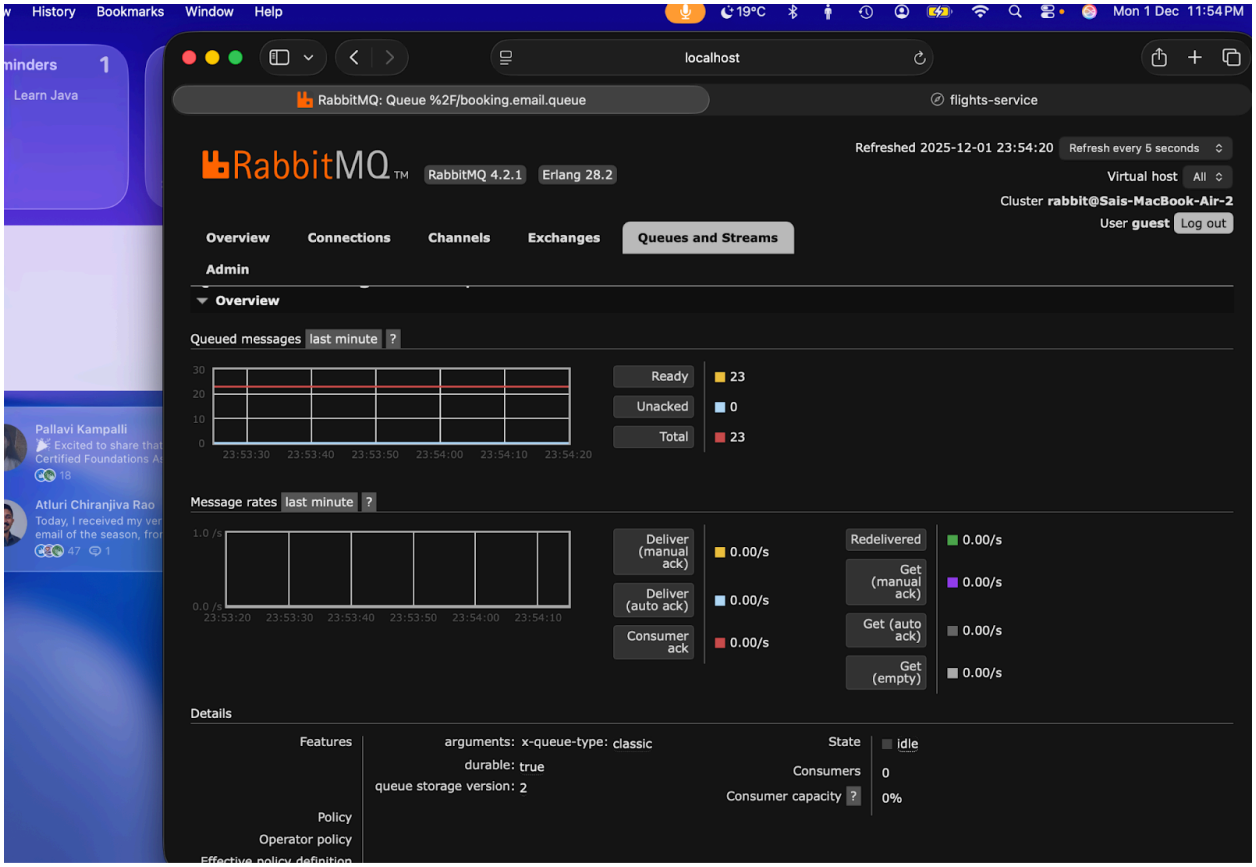
bookings-service

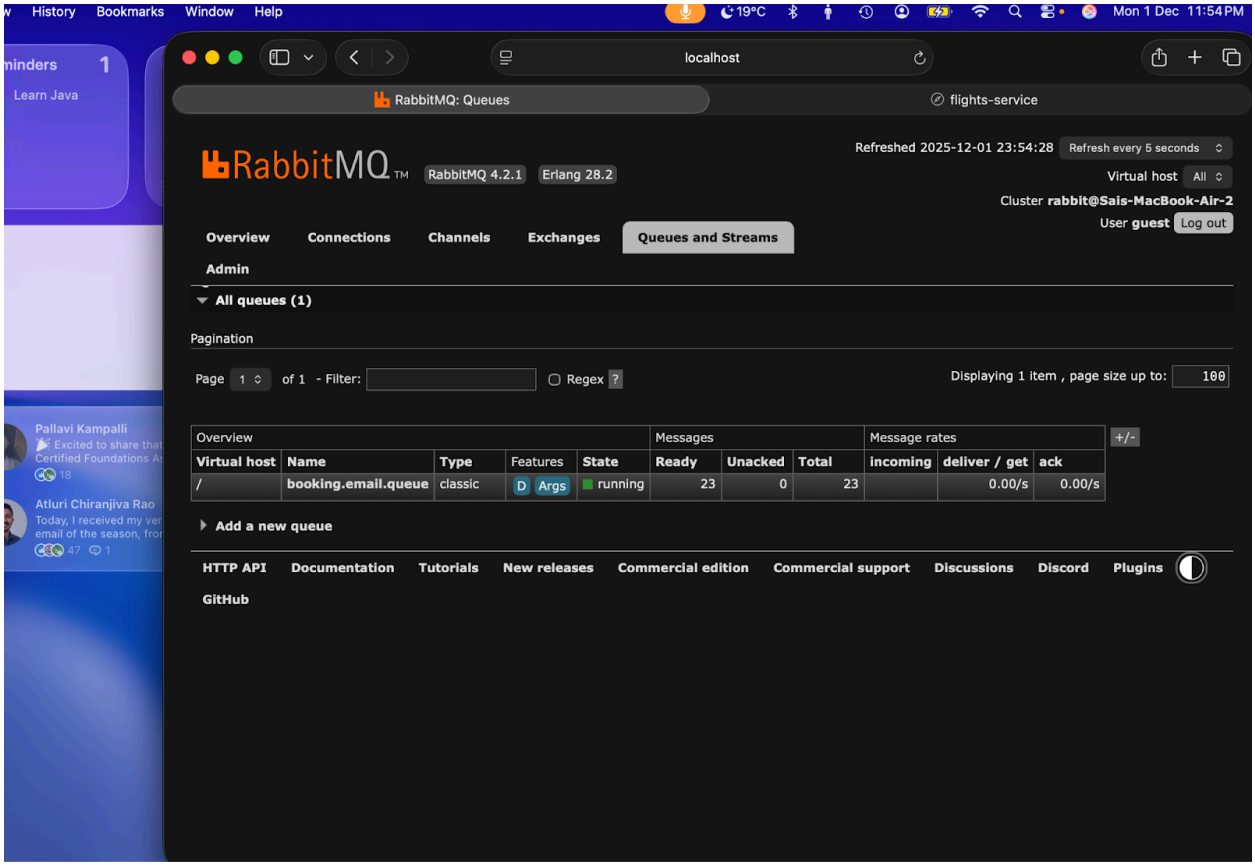
Sessions

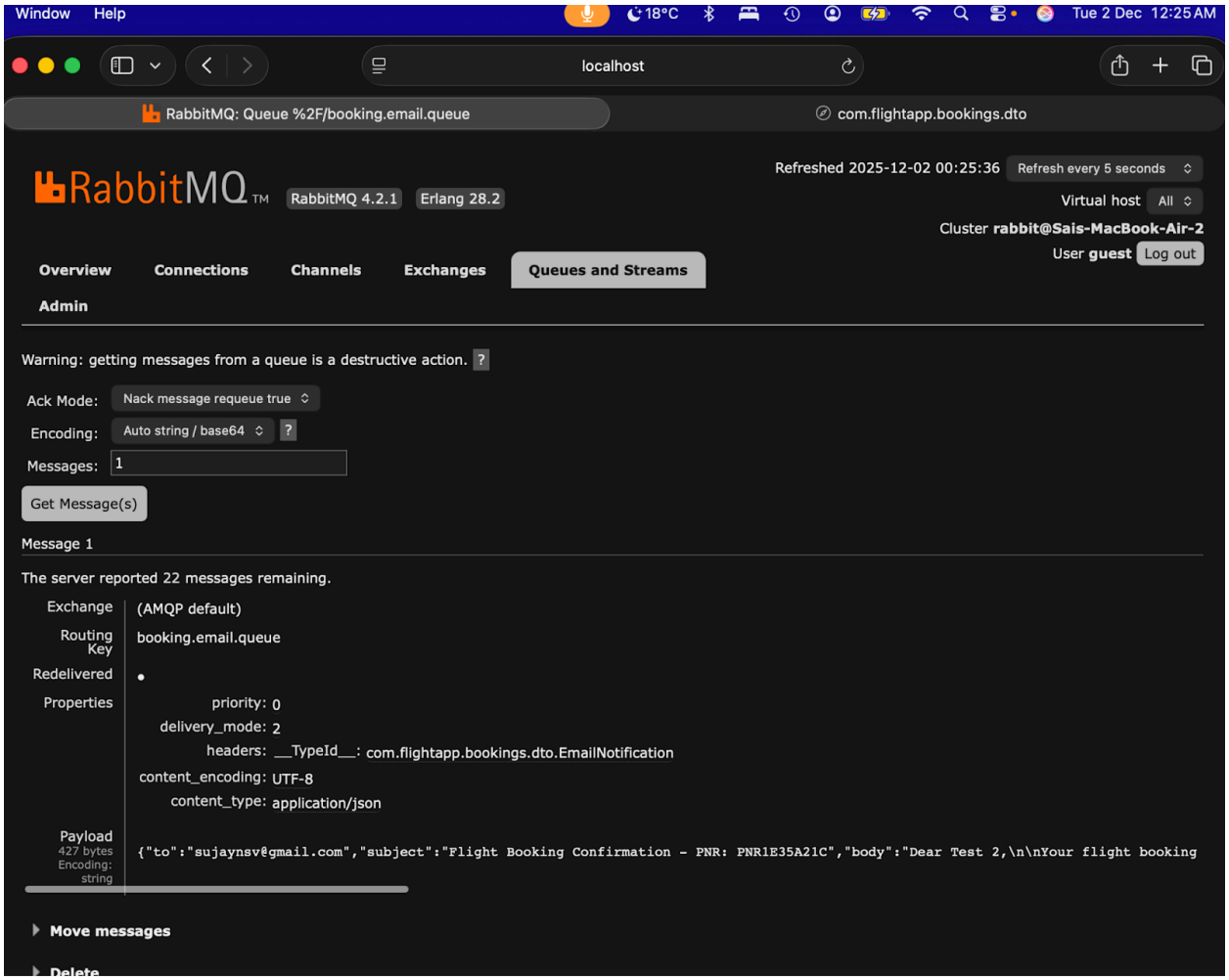
bookings-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flightapp.bookings.service		35%		100%	10	22	50	84	10	21	0	2
com.flightapp.bookings.model		100%		n/a	0	36	0	60	0	36	0	3
com.flightapp.bookings.dto		100%		n/a	0	37	0	62	0	37	0	2
com.flightapp.bookings.exception		100%		n/a	0	10	0	20	0	10	0	3
com.flightapp.bookings.controller		100%		n/a	0	6	0	11	0	6	0	1
Total	233 of 788	70%	0 of 2	100%	10	111	50	237	10	110	0	11

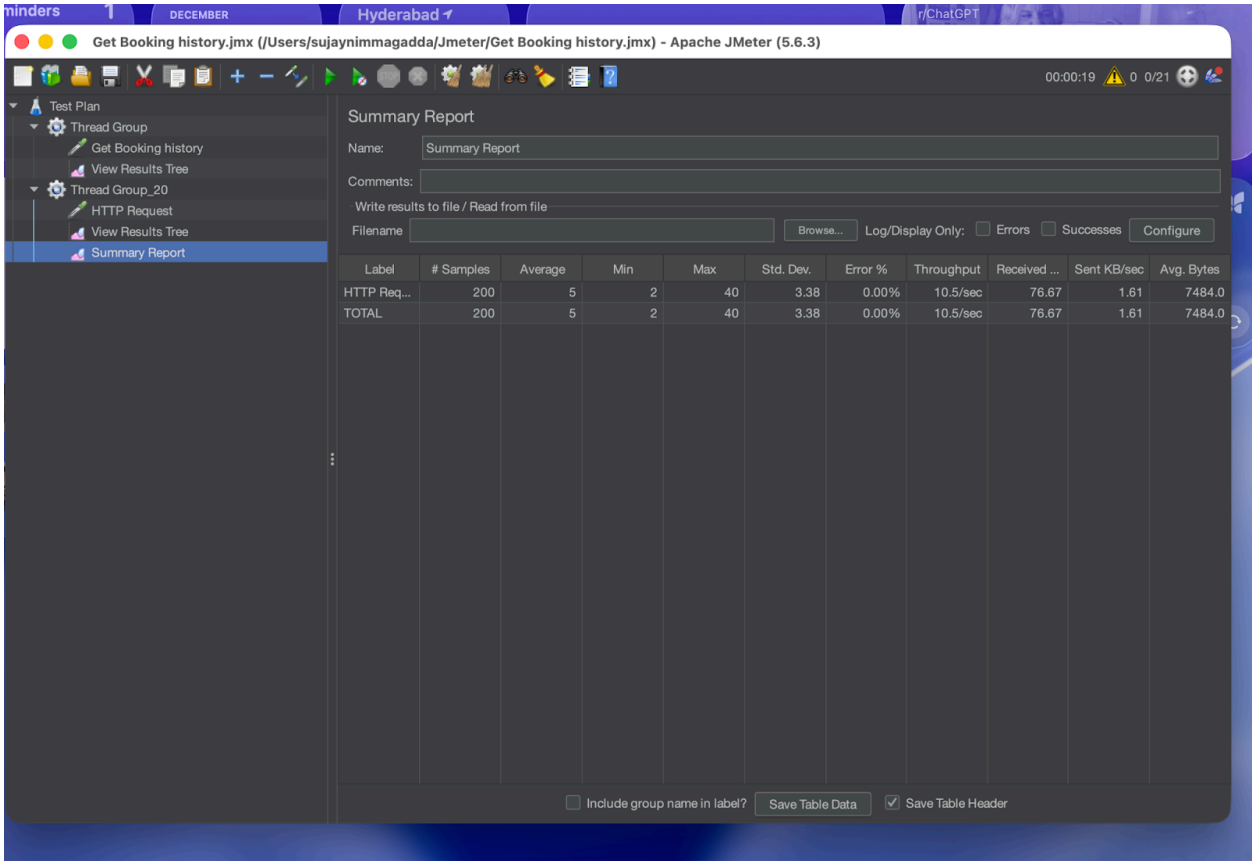
RabbitMq


History
Bookmarks
Window
Help
19°C
Mon 1 Dec 11:54 PM
localhost
RabbitMQ: Queue %2F/booking.email.queue
flights-service
RabbitMQ™
RabbitMQ 4.2.1
Erlang 28.2
Refreshed 2025-12-01 23:54:20
Refresh every 5 seconds
Virtual host
All
Cluster rabbit@Sais-MacBook-Air-2
User guest
Log out
Overview
Connections
Channels
Exchanges
Queues and Streams
Admin
Overview
Queued messages
last minute
Ready
23
Unacked
0
Total
23
Message rates
last minute
Deliver (manual ack)
0.00/s
Deliver (auto ack)
0.00/s
Consumer ack
0.00/s
Redelivered
0.00/s
Get (manual ack)
0.00/s
Get (auto ack)
0.00/s
Get (empty)
0.00/s
Details
Features
arguments: x-queue-type: classic
durable: true
queue storage version: 2
State
idle
Consumers
0
Consumer capacity
0%
Policy
Operator policy

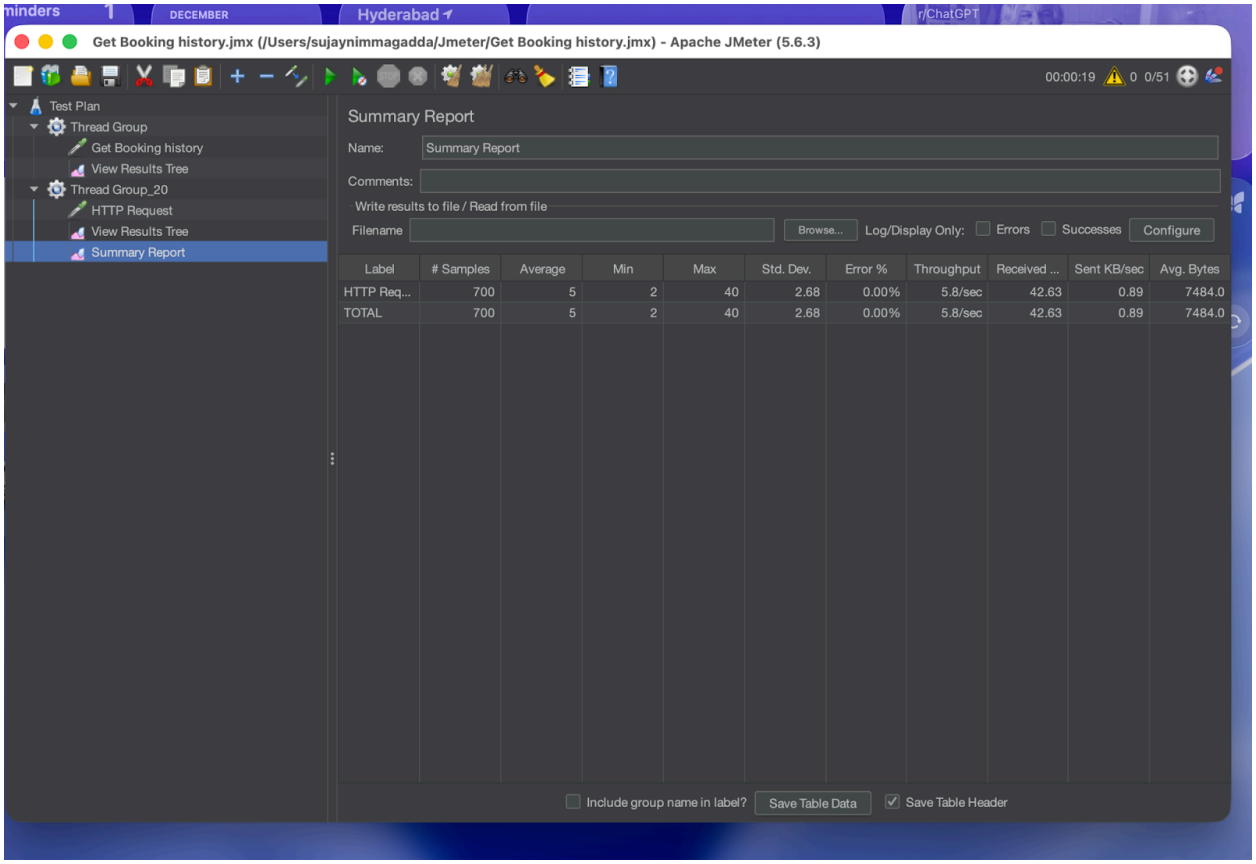

History
Bookmarks
Window
Help
19°C
Mon 1 Dec 11:54 PM
localhost
RabbitMQ: Queues
flights-service
RabbitMQ
RabbitMQ 4.2.1
Erlang 28.2
Refreshed 2025-12-01 23:54:28
Refresh every 5 seconds
Virtual host
All
Cluster rabbit@Sais-MacBook-Air-2
User guest
Log out
Overview
Connections
Channels
Exchanges
Queues and Streams
Admin
All queues (1)
Pagination
Page 1 of 1 - Filter:
Regex ?
Displaying 1 item , page size up to: 100
Overview
Messages
Message rates
+/-
Virtual host
Name
Type
Features
State
Ready
Unacked
Total
incoming
deliver / get
ack
/
booking.email.queue
classic
D Args
running
23
0
23
0.00/s
0.00/s
Add a new queue
HTTP API
Documentation
Tutorials
New releases
Commercial edition
Commercial support
Discussions
Discord
Plugins
GitHub


Window Help
18°C
Tue 2 Dec 12:25 AM
localhost
RabbitMQ: Queue %2F/booking.email.queue
com.flightapp.bookings.dto
RabbitMQ
RabbitMQ 4.2.1
Erlang 28.2
Refreshed 2025-12-02 00:25:36
Refresh every 5 seconds
Virtual host All
Cluster rabbit@Sais-MacBook-Air-2
User guest
Log out
Overview
Connections
Channels
Exchanges
Queues and Streams
Admin
Warning: getting messages from a queue is a destructive action.
Ack Mode:
Nack message requeue true
Encoding:
Auto string / base64
Messages:
1
Get Message(s)
Message 1
The server reported 22 messages remaining.
Exchange
(AMQP default)
Routing Key
booking.email.queue
Redelivered
Properties
priority: 0
delivery_mode: 2
headers: __TypeId__: com.flightapp.bookings.dto.EmailNotification
content_encoding: UTF-8
content_type: application/json
Payload
427 bytes
Encoding: string
{"to":"sujaynsv@gmail.com","subject":"Flight Booking Confirmation - PNR: PNR1E35A21C","body":"Dear Test 2,\n\nYour flight booking
Move messages
Delete

Jmeter

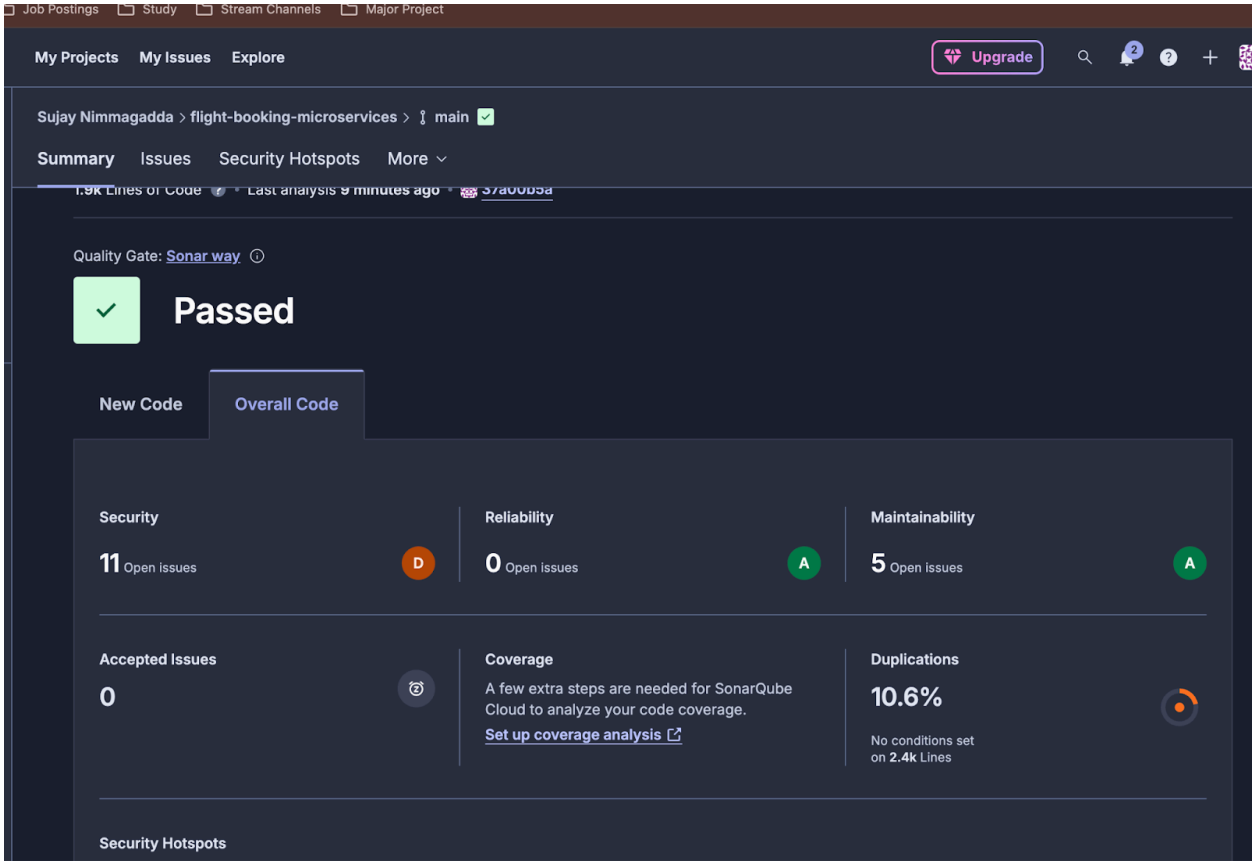


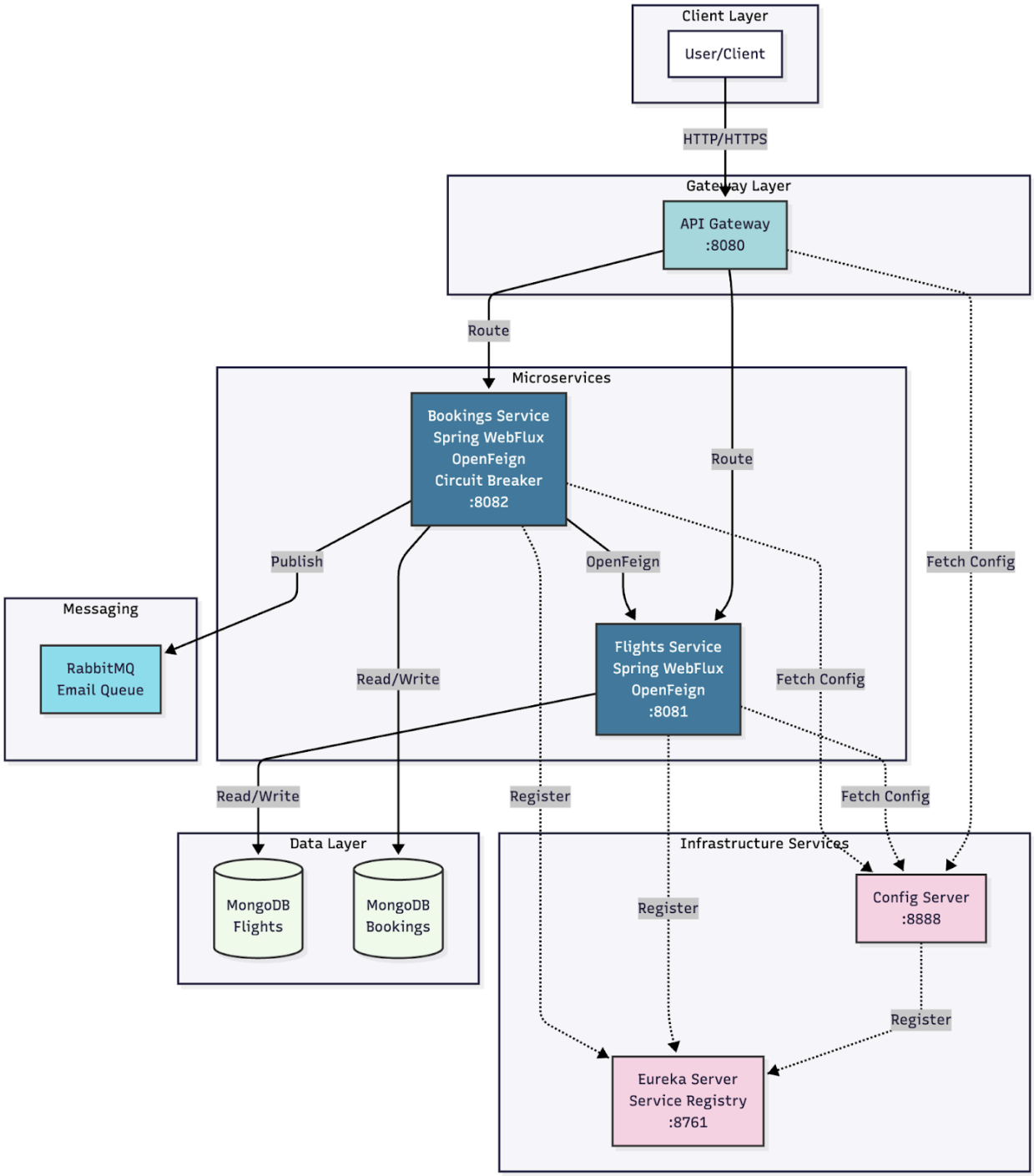
20 requests

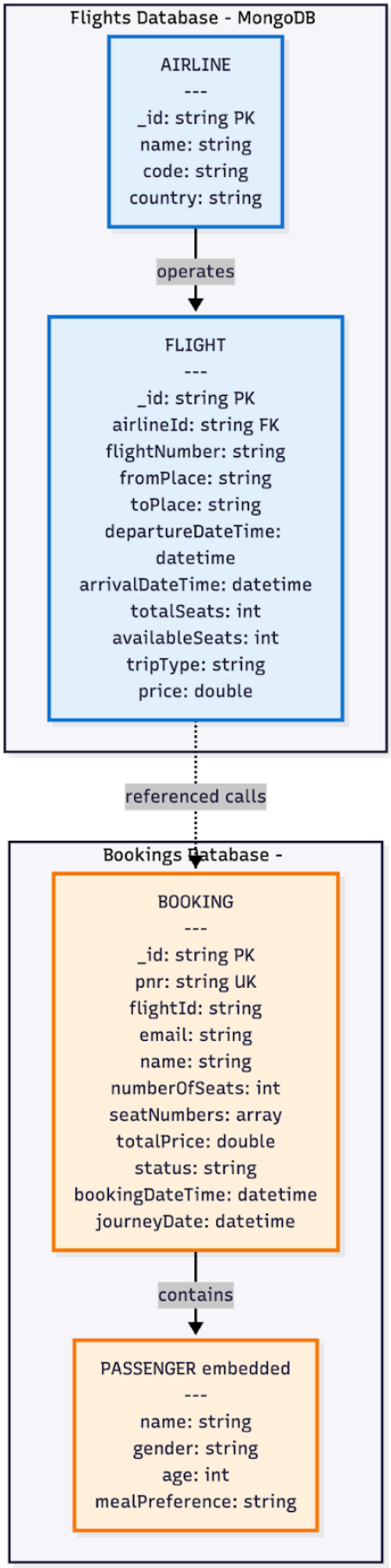

Get Booking history.jmx (/Users/sujaynimmagadda/Jmeter/Get Booking history.jmx) - Apache JMeter (5.6.3)
00:00:19 0 0/51
Test Plan
Thread Group
Get Booking history
View Results Tree
Thread Group_20
HTTP Request
View Results Tree
Summary Report
Summary Report
Name: Summary Report
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only: Errors Successes
Configure
Label # Samples Average Min Max Std. Dev. Error % Throughput Received ... Sent KB/sec Avg. Bytes
HTTP Req... 700 5 2 40 2.68 0.00% 5.8/sec 42.63 0.89 7484.0
TOTAL 700 5 2 40 2.68 0.00% 5.8/sec 42.63 0.89 7484.0
Include group name in label?
Save Table Data
Save Table Header

50 requests

SonarQube


Job Postings
Study
Stream Channels
Major Project
My Projects
My Issues
Explore
Upgrade
Sujay Nimmagadda > flight-booking-microservices > main
Summary
Issues
Security Hotspots
More
Quality Gate: Sonar way
Passed
New Code
Overall Code
Security
11 Open issues
D
Reliability
0 Open issues
A
Maintainability
5 Open issues
A
Accepted Issues
0
Coverage
A few extra steps are needed for SonarQube Cloud to analyze your code coverage.
Set up coverage analysis
Duplications
10.6%
No conditions set on 2.4k Lines
Security Hotspots


Client Layer
User/Client
HTTP/HTTPS
Gateway Layer
API Gateway
:8080
Route
Microservices
Bookings Service
Spring WebFlux
OpenFeign
Circuit Breaker
:8082
Route
Publish
OpenFeign
Fetch Config
Messaging
RabbitMQ
Email Queue
Flights Service
Spring WebFlux
OpenFeign
:8081
Read/Write
Fetch Config
Read/Write
Register
Fetch Config
Data Layer
MongoDB
Flights
MongoDB
Bookings
Infrastructure Services
Register
Config Server
:8888
Register
Eureka Server
Service Registry
:8761


Flights Database - MongoDB
AIRLINE

_id: string PK
name: string
code: string
country: string
operates
FLIGHT

_id: string PK
airlineId: string FK
flightNumber: string
fromPlace: string
toPlace: string
departureDateTime: datetime
arrivalDateTime: datetime
totalSeats: int
availableSeats: int
tripType: string
price: double
referenced calls
Bookings Database -
BOOKING

_id: string PK
pnr: string UK
flightId: string
email: string
name: string
numberOfSeats: int
seatNumbers: array
totalPrice: double
status: string
bookingDateTime: datetime
journeyDate: datetime
contains
PASSENGER embedded
---
name: string
gender: string
age: int
mealPreference: string