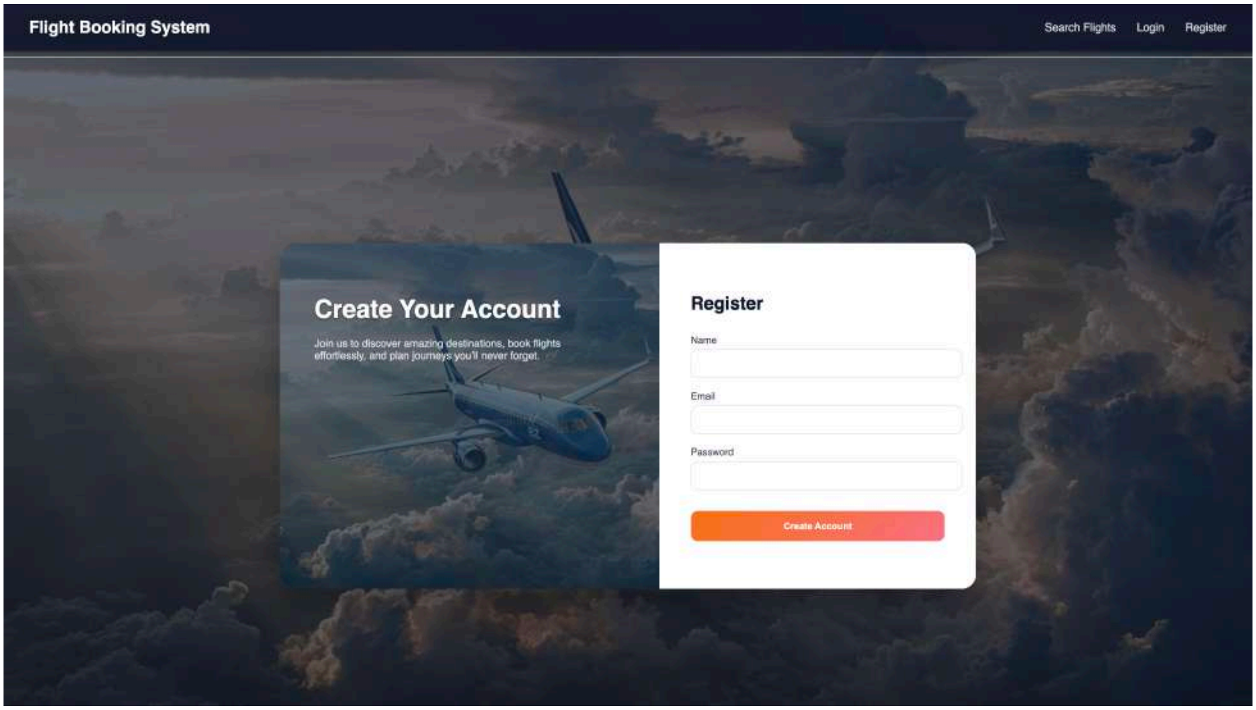
Flight Booking System-UI

Register:



Create Your Account

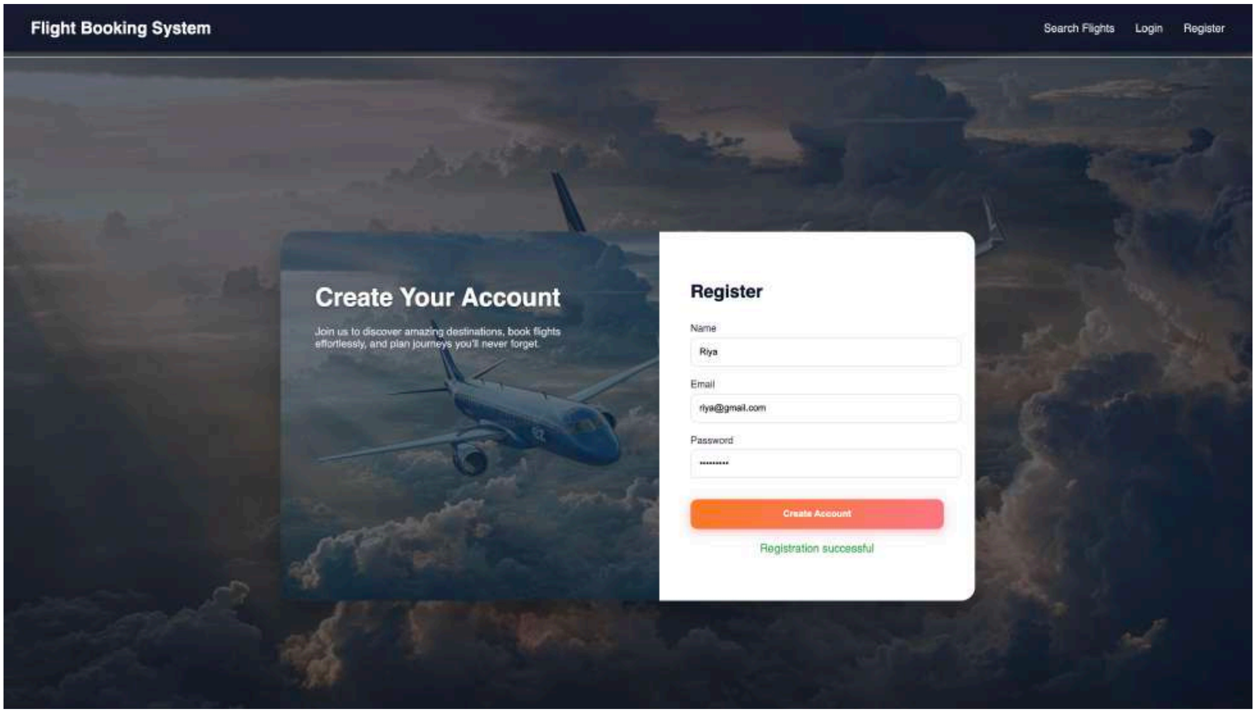
Join us to discover amazing destinations, book flights effortlessly, and plan journeys you'll never forget.

Register

Name

Email

Password



Create Your Account

Join us to discover amazing destinations, book flights effortlessly, and plan journeys you'll never forget.

Register

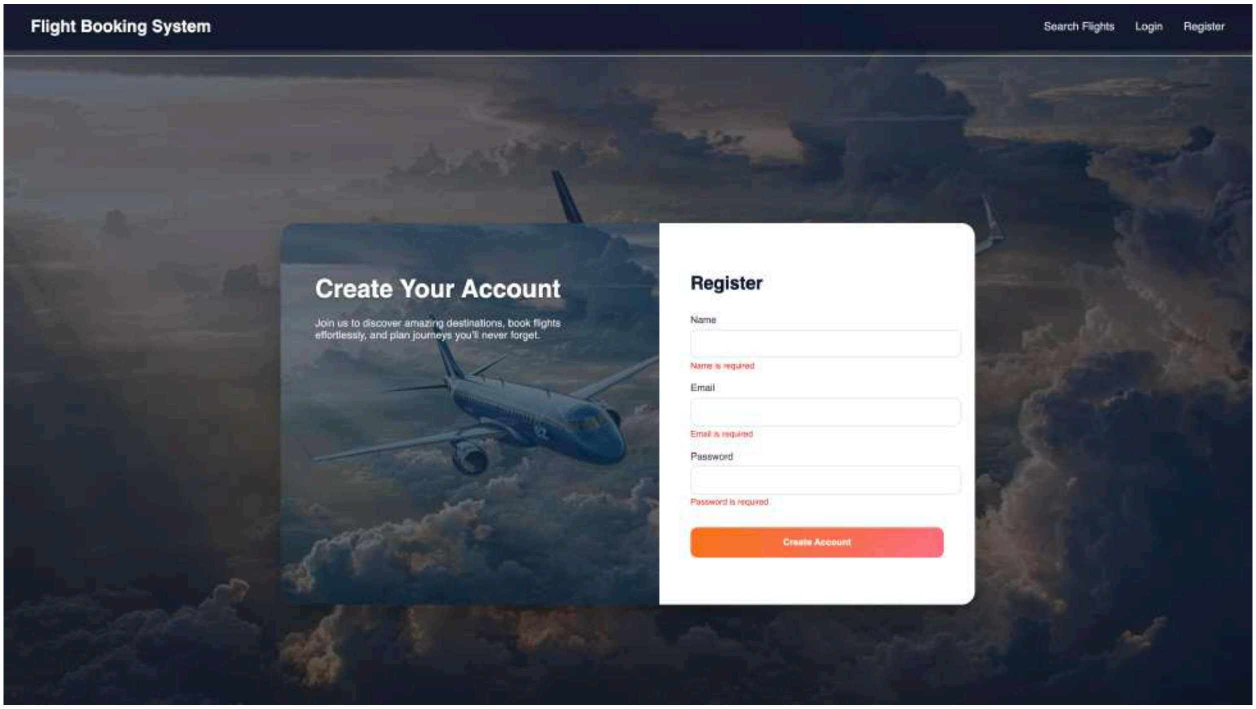
Name: Riya

Email: riya@gmail.com

Password: ••••••••••

Registration successful

Validations on Registration:



Create Your Account

Join us to discover amazing destinations, book flights effortlessly, and plan journeys you'll never forget.

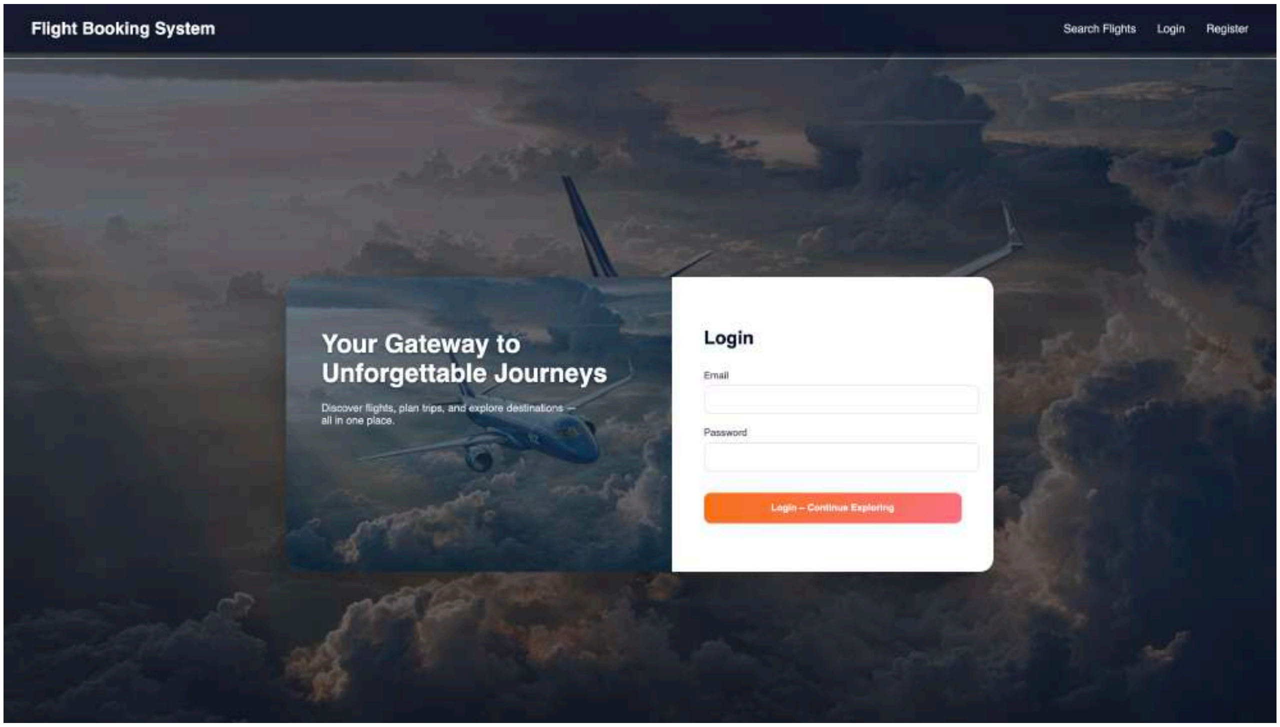
Register

Name is required

Email is required

Password is required

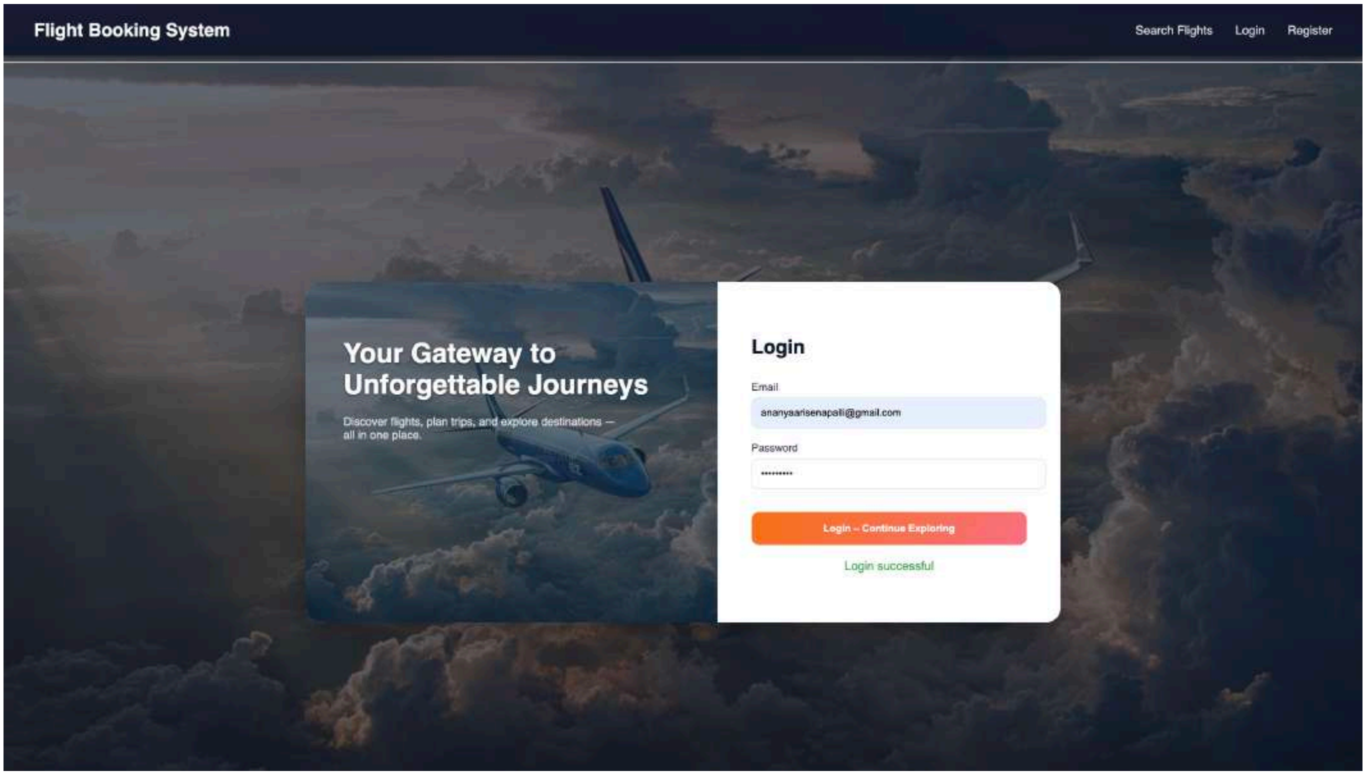
Login:



Your Gateway to Unforgettable Journeys

Discover flights, plan trips, and explore destinations — all in one place.

Login



Your Gateway to Unforgettable Journeys

Discover flights, plan trips, and explore destinations — all in one place.

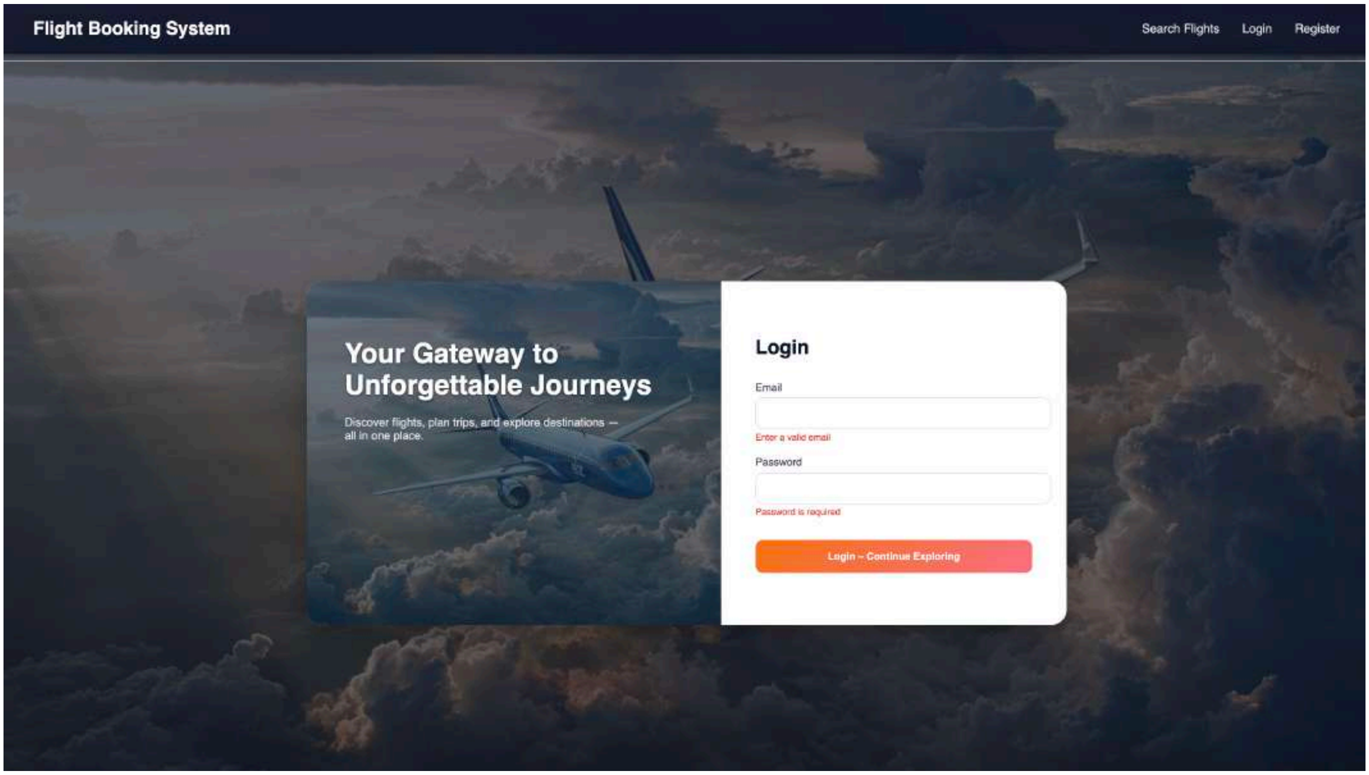
Login

Email: ananyaarisenapalli@gmail.com

Password: •••••••••

Login successful

Validations on Login:



Your Gateway to Unforgettable Journeys

Discover flights, plan trips, and explore destinations — all in one place.

Login

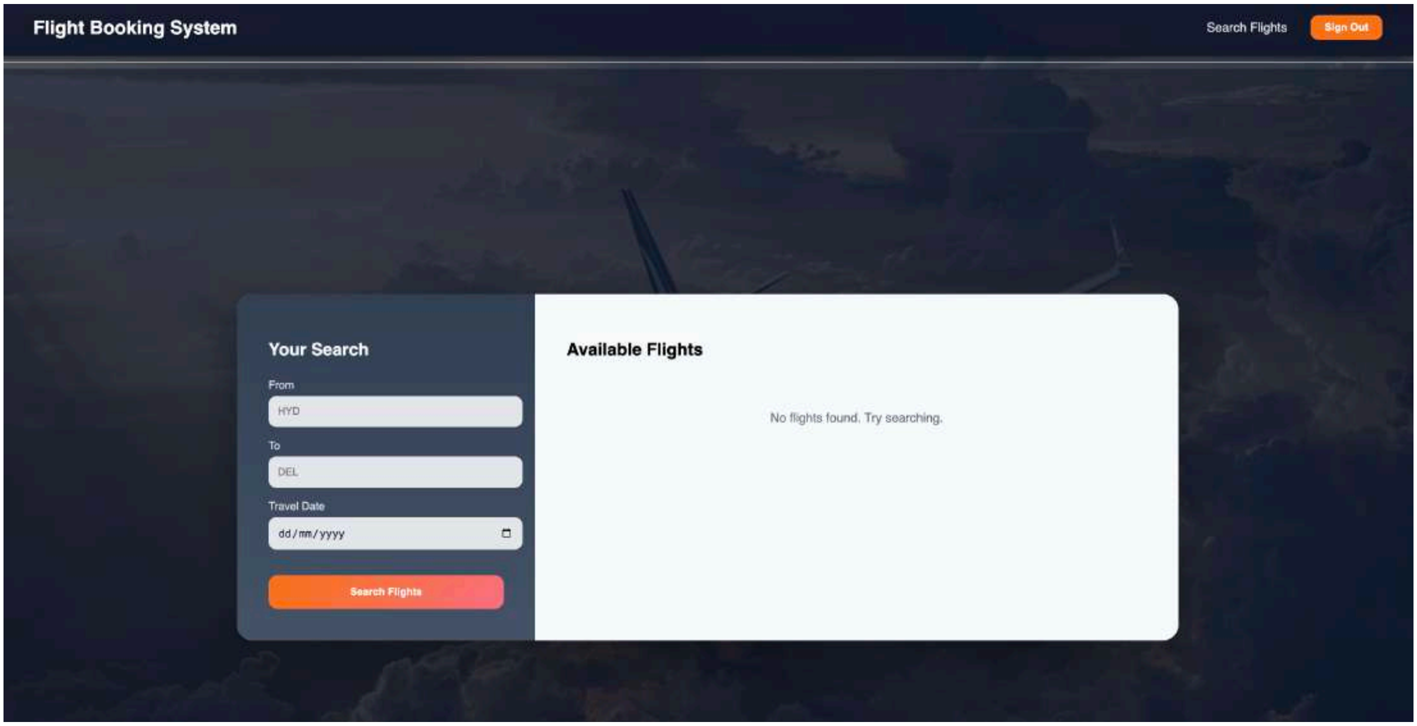
Email

Enter a valid email

Password

Password is required

Search Flights:

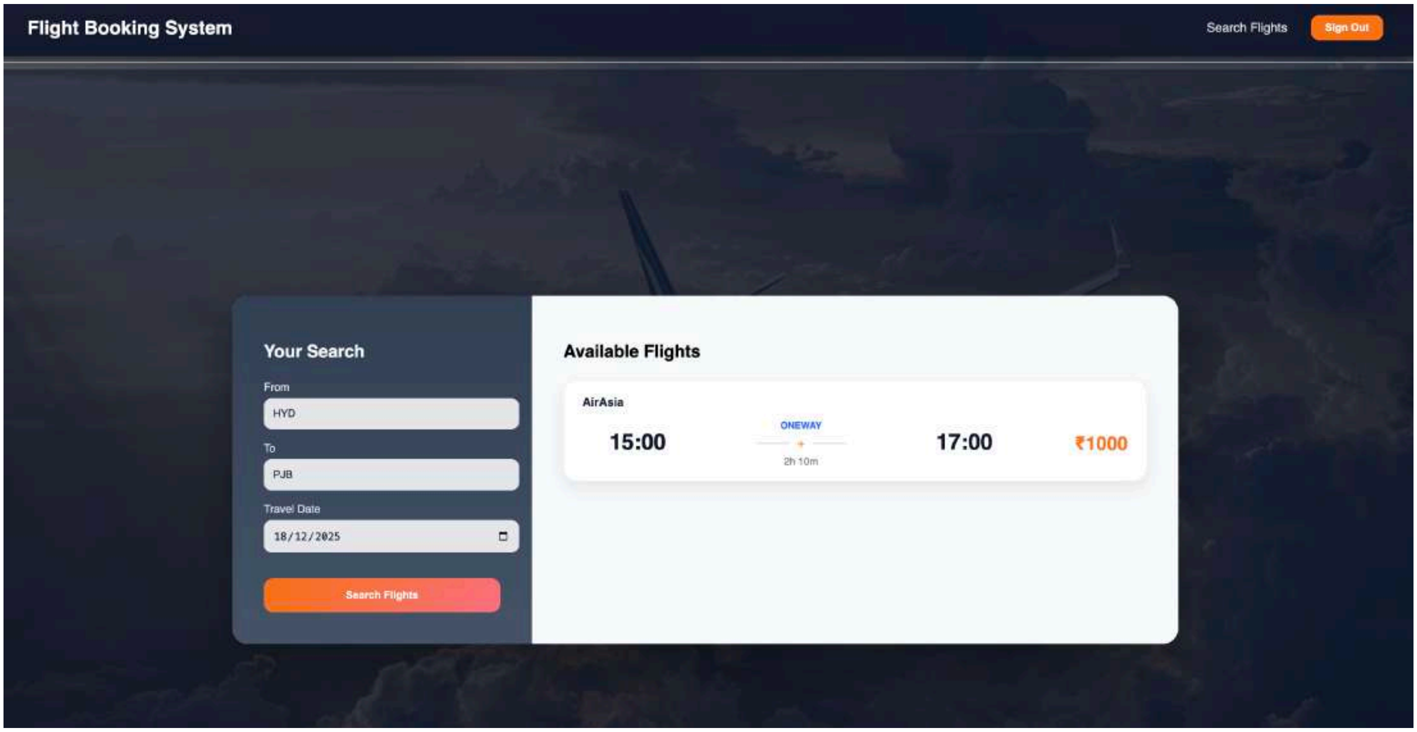


From: HYD

To: DEL

Travel Date: dd/mm/yyyy

No flights found. Try searching.



From: HYD

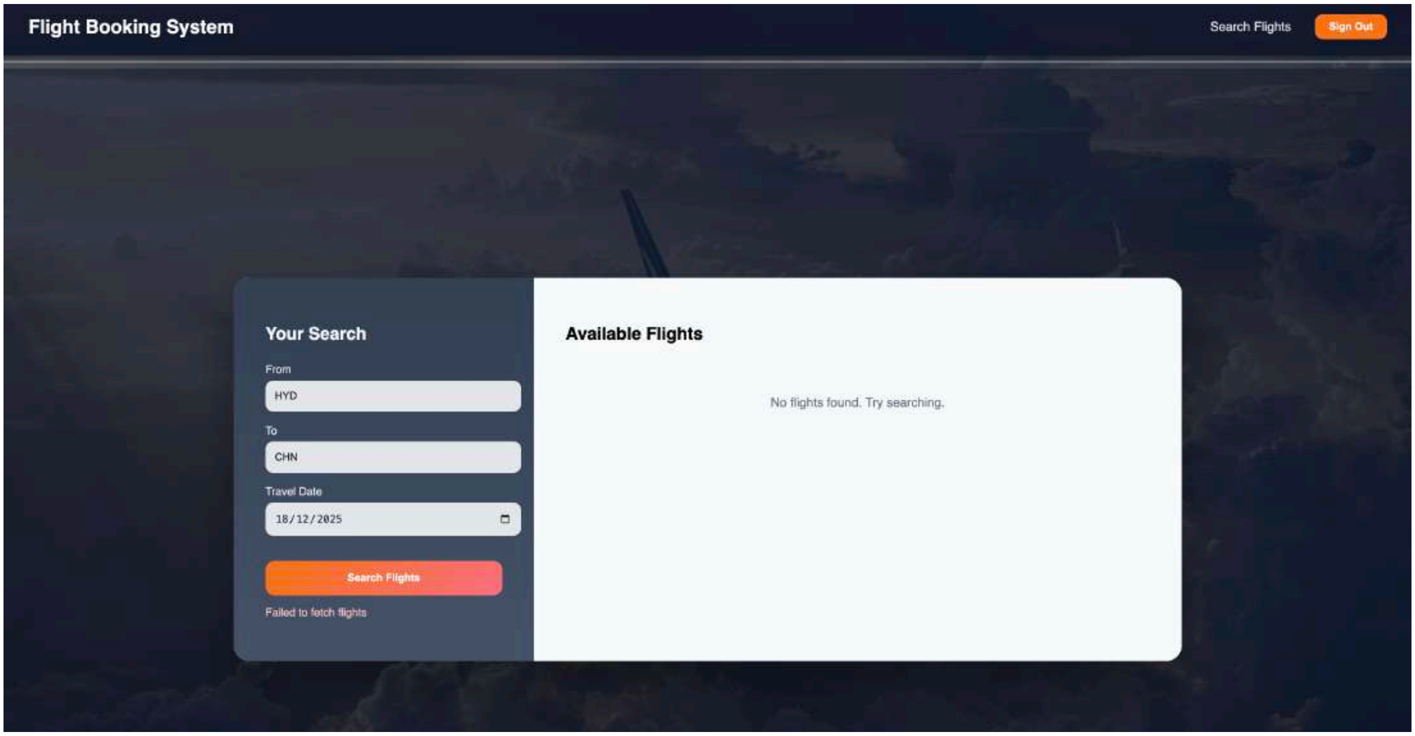
To: PJB

Travel Date: 18/12/2025

AirAsia

15:00 ONEWAY 2h 10m 17:00 ₹1000

No Flight Available:



Flight Booking System

Your Search

From: HYD

To: CHN

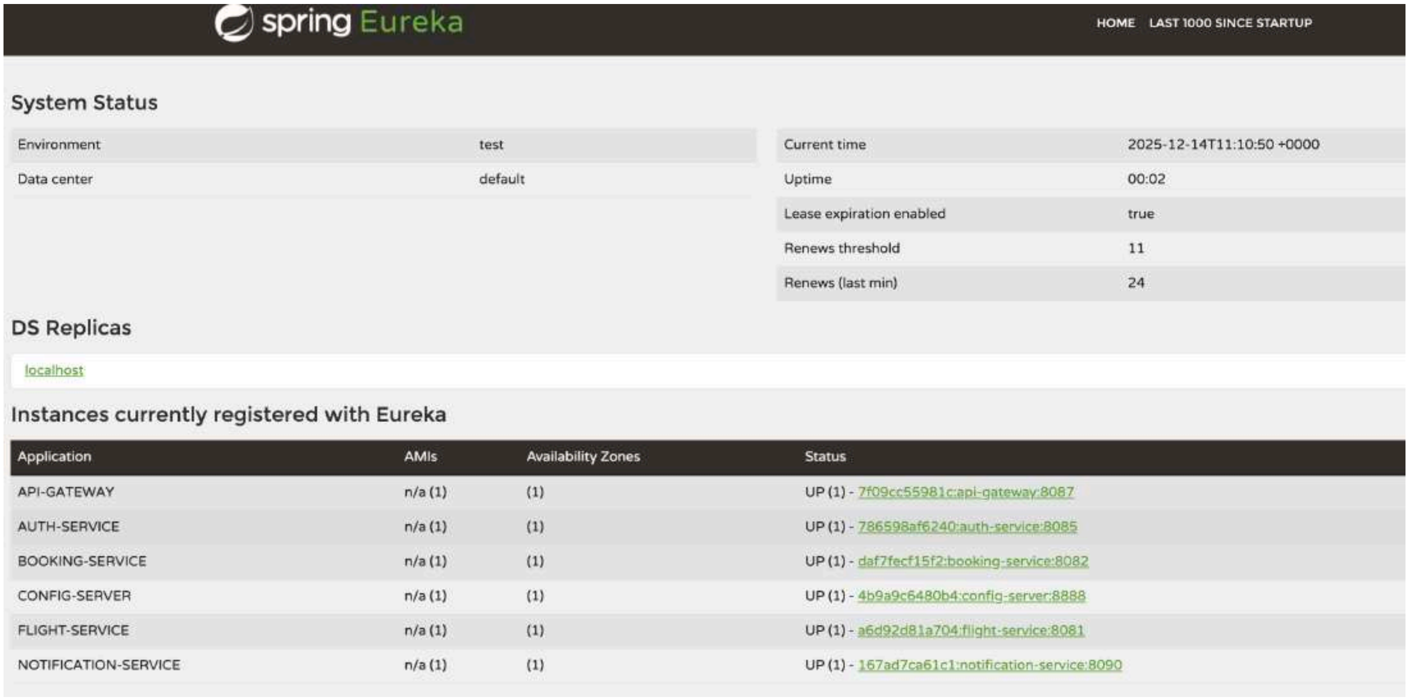
Travel Date: 18/12/2025

Failed to fetch flights

Available Flights

No flights found. Try searching.

Eureka Server:



System Status

Environment	test
Data center	default

Current time	2025-12-14T11:10:50 +0000
Uptime	00:02
Lease expiration enabled	true
Renews threshold	11
Renews (last min)	24

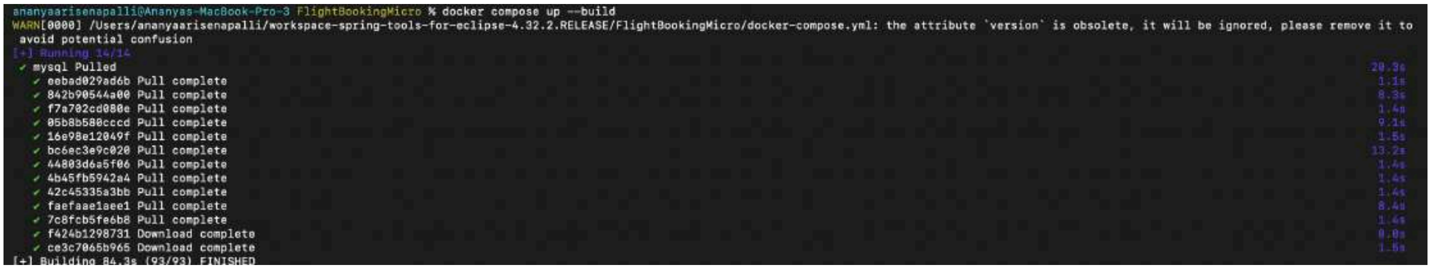
DS Replicas

localhost

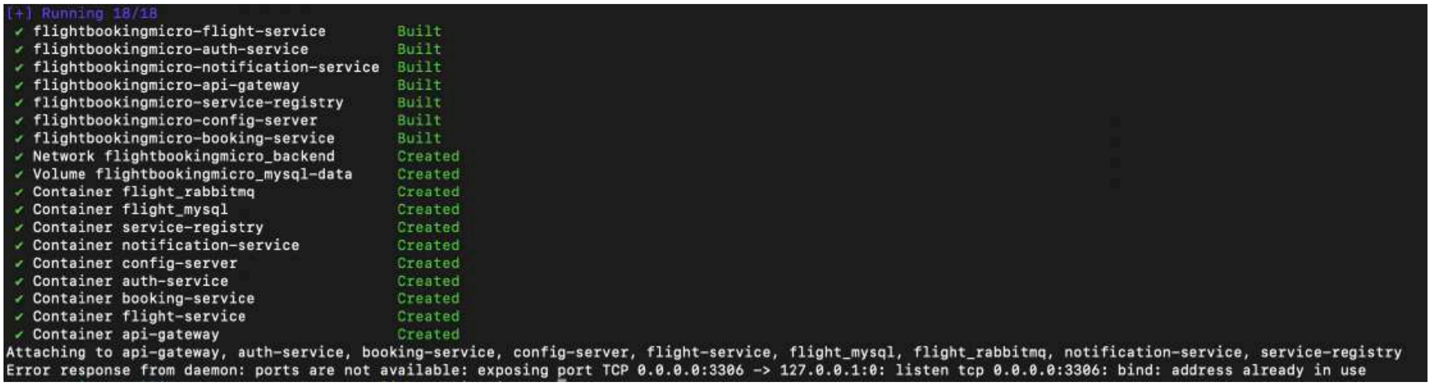
Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - 7f09cc55981c:api-gateway:8087
AUTH-SERVICE	n/a (1)	(1)	UP (1) - 786598af6240:auth-service:8085
BOOKING-SERVICE	n/a (1)	(1)	UP (1) - daf7fecf15f2:booking-service:8082
CONFIG-SERVER	n/a (1)	(1)	UP (1) - 4b9a9c6480b4:config-server:8888
FLIGHT-SERVICE	n/a (1)	(1)	UP (1) - a6d92d81a704:flight-service:8081
NOTIFICATION-SERVICE	n/a (1)	(1)	UP (1) - 167ad7ca61c1:notification-service:8090

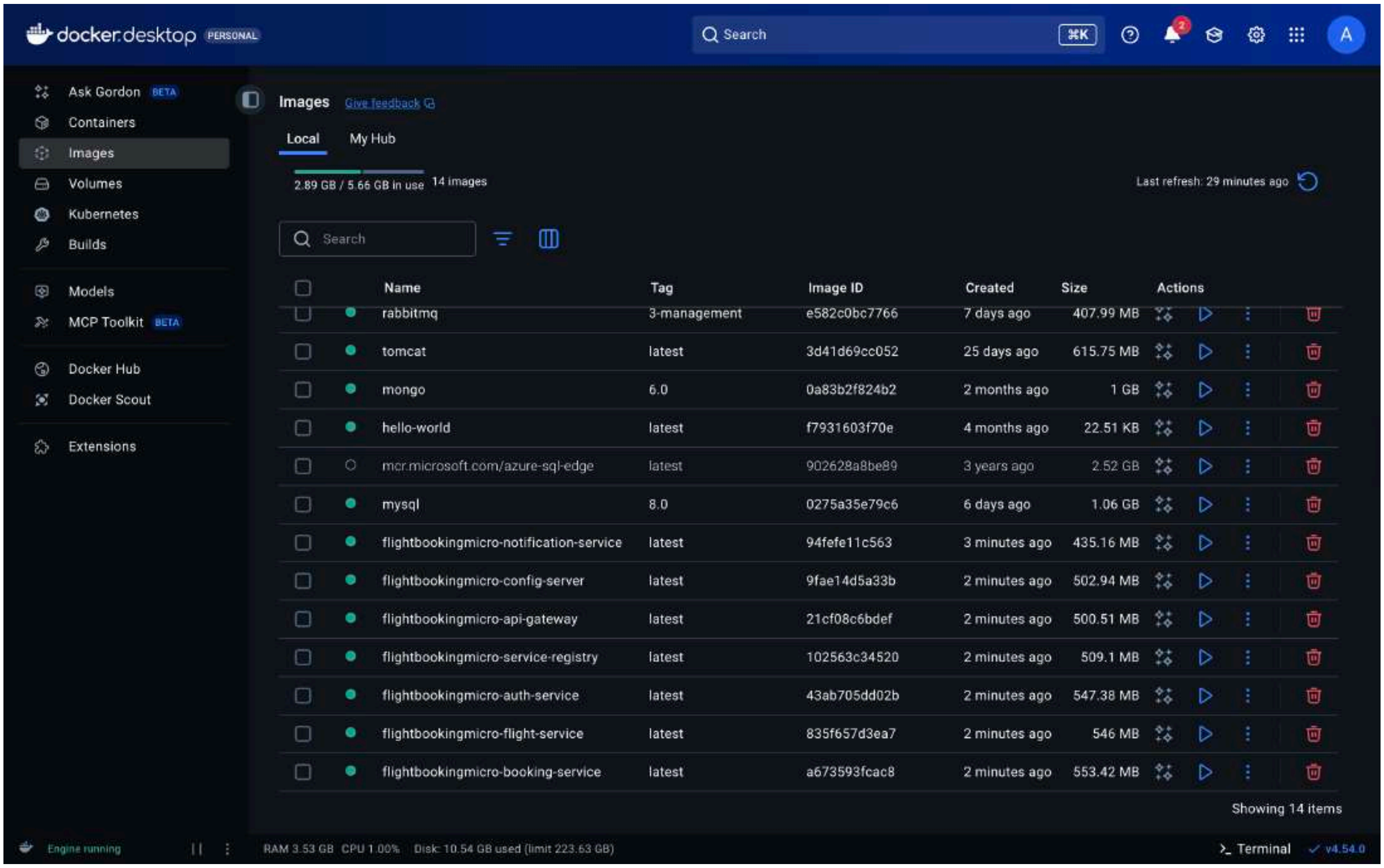
Docker:



```
ananyaarisenapalli@Ananyas-MacBook-Pro-3 FlightBookingMicro % docker compose up --build
WARN[0000] /Users/ananyaarisenapalli/workspace-spring-tools-for-eclipse-4.32.2.RELEASE/FlightBookingMicro/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to
 avoid potential confusion
[+] Running 14/14
 ✔ mysql Pulled                                                                                          20.3s
   ✔ eebad029ad6b Pull complete                                                                           1.1s
   ✔ 842b90544a00 Pull complete                                                                           8.3s
   ✔ f7a702cd080e Pull complete                                                                           1.4s
   ✔ 05b8b580cccd Pull complete                                                                           9.1s
   ✔ 16e98e12049f Pull complete                                                                           1.5s
   ✔ bc6ec3e9c020 Pull complete                                                                          13.2s
   ✔ 44803d6a5f06 Pull complete                                                                           1.4s
   ✔ 4b45fb5942a4 Pull complete                                                                           1.4s
   ✔ 42c45335a3bb Pull complete                                                                           1.4s
   ✔ faefaae1aee1 Pull complete                                                                           8.4s
   ✔ 7c8fcb5fe6b8 Pull complete                                                                           1.4s
   ✔ f424b1298731 Download complete                                                                       0.0s
   ✔ ce3c7065b965 Download complete                                                                       1.5s
[+] Building 84.3s (93/93) FINISHED
```



```
[+] Running 18/18
 ✔ flightbookingmicro-flight-service         Built
 ✔ flightbookingmicro-auth-service           Built
 ✔ flightbookingmicro-notification-service   Built
 ✔ flightbookingmicro-api-gateway            Built
 ✔ flightbookingmicro-service-registry       Built
 ✔ flightbookingmicro-config-server          Built
 ✔ flightbookingmicro-booking-service        Built
 ✔ Network flightbookingmicro_backend        Created
 ✔ Volume flightbookingmicro_mysql-data      Created
 ✔ Container flight_rabbitmq                 Created
 ✔ Container flight_mysql                    Created
 ✔ Container service-registry                Created
 ✔ Container notification-service            Created
 ✔ Container config-server                   Created
 ✔ Container auth-service                    Created
 ✔ Container booking-service                 Created
 ✔ Container flight-service                  Created
 ✔ Container api-gateway                     Created
Attaching to api-gateway, auth-service, booking-service, config-server, flight-service, flight_mysql, flight_rabbitmq, notification-service, service-registry
Error response from daemon: ports are not available: exposing port TCP 0.0.0.0:3306 -> 127.0.0.1:0: listen tcp 0.0.0.0:3306: bind: address already in use
```

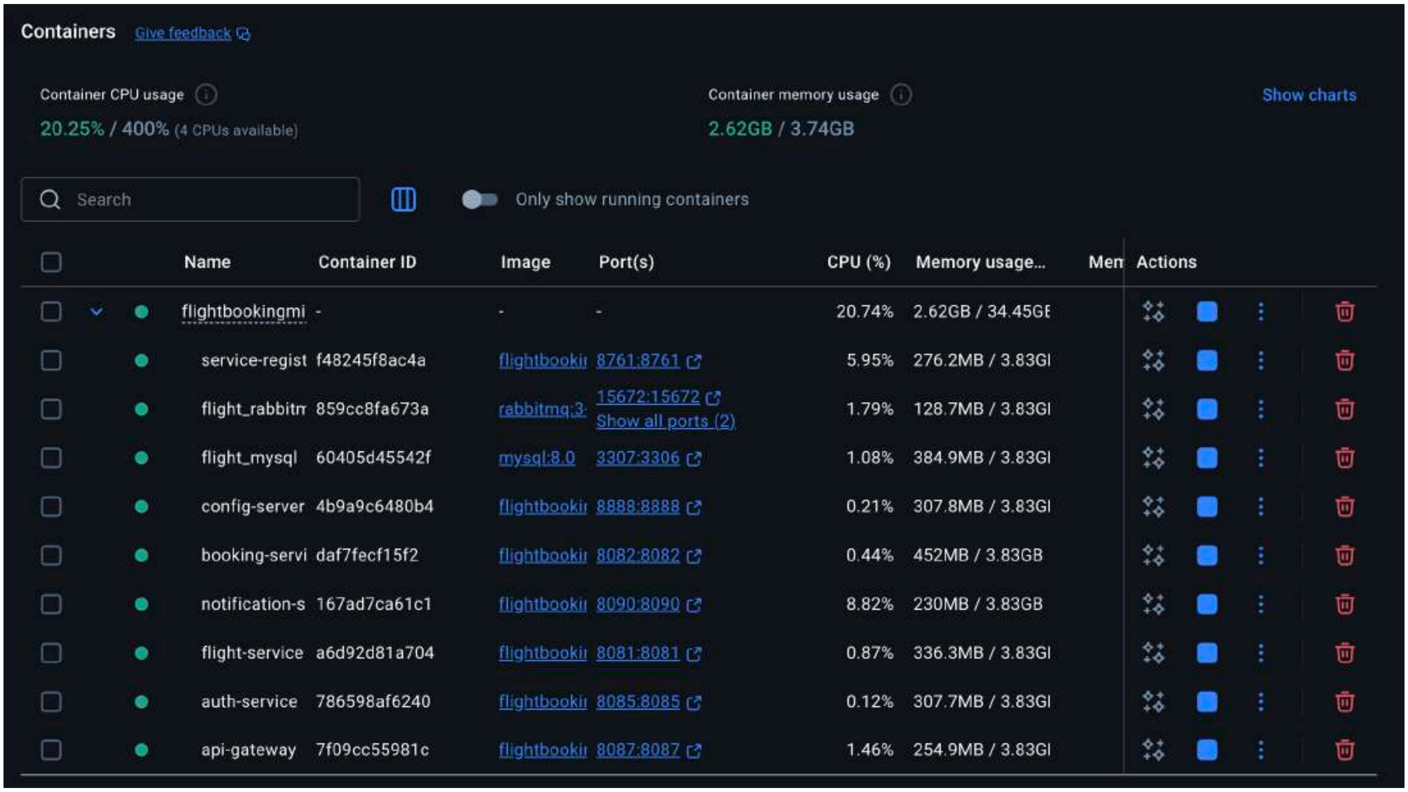


2.89 GB / 5.66 GB in use 14 images

Last refresh: 29 minutes ago

☐		Name	Tag	Image ID	Created	Size	Actions
☐	●	rabbitmq	3-management	e582c0bc7766	7 days ago	407.99 MB	
☐	●	tomcat	latest	3d41d69cc052	25 days ago	615.75 MB	
☐	●	mongo	6.0	0a83b2f824b2	2 months ago	1 GB	
☐	●	hello-world	latest	f7931603f70e	4 months ago	22.51 KB	
☐	○	mcr.microsoft.com/azure-sql-edge	latest	902628a8be89	3 years ago	2.52 GB	
☐	●	mysql	8.0	0275a35e79c6	6 days ago	1.06 GB	
☐	●	flightbookingmicro-notification-service	latest	94fefe11c563	3 minutes ago	435.16 MB	
☐	●	flightbookingmicro-config-server	latest	9fae14d5a33b	2 minutes ago	502.94 MB	
☐	●	flightbookingmicro-api-gateway	latest	21cf08c6bdef	2 minutes ago	500.51 MB	
☐	●	flightbookingmicro-service-registry	latest	102563c34520	2 minutes ago	509.1 MB	
☐	●	flightbookingmicro-auth-service	latest	43ab705dd02b	2 minutes ago	547.38 MB	
☐	●	flightbookingmicro-flight-service	latest	835f657d3ea7	2 minutes ago	546 MB	
☐	●	flightbookingmicro-booking-service	latest	a673593fcac8	2 minutes ago	553.42 MB	

Showing 14 items



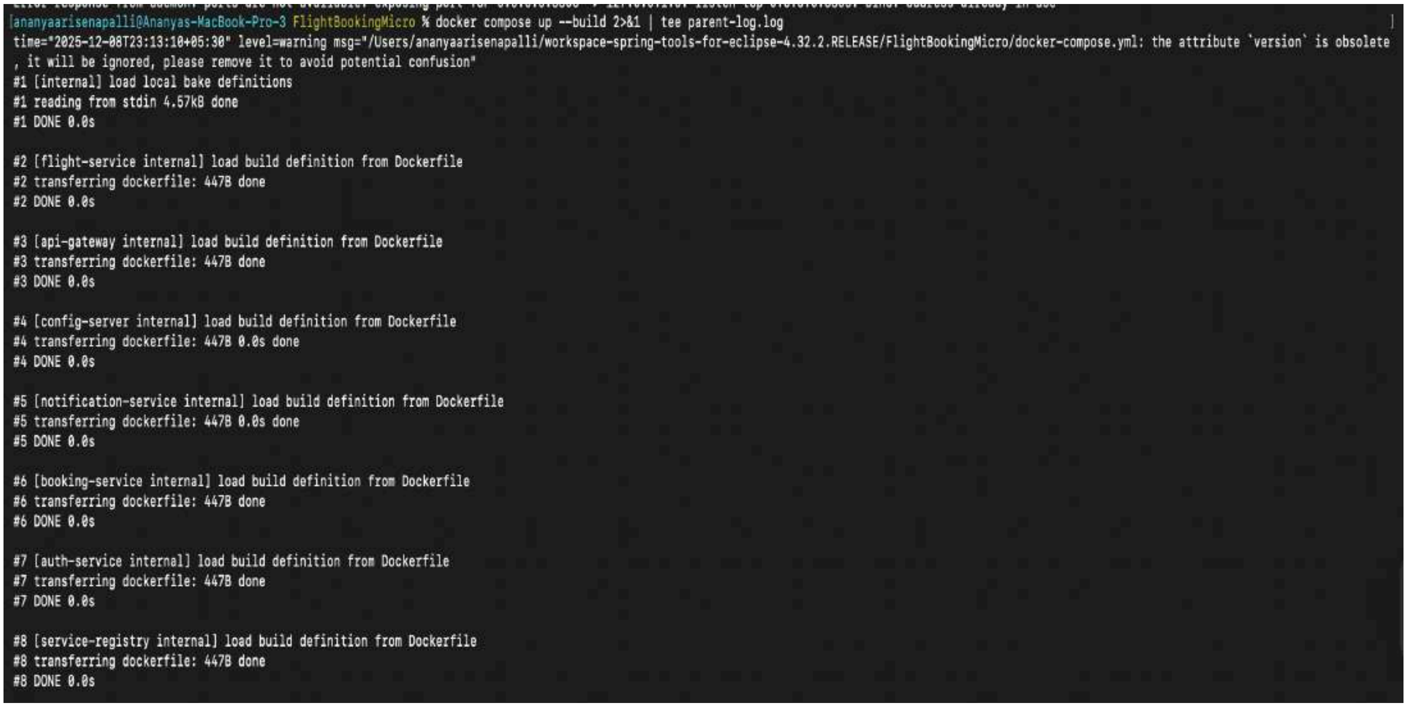
Containers Give feedback

Container CPU usage 20.25% / 400% (4 CPUs available)

Container memory usage 2.62GB / 3.74GB

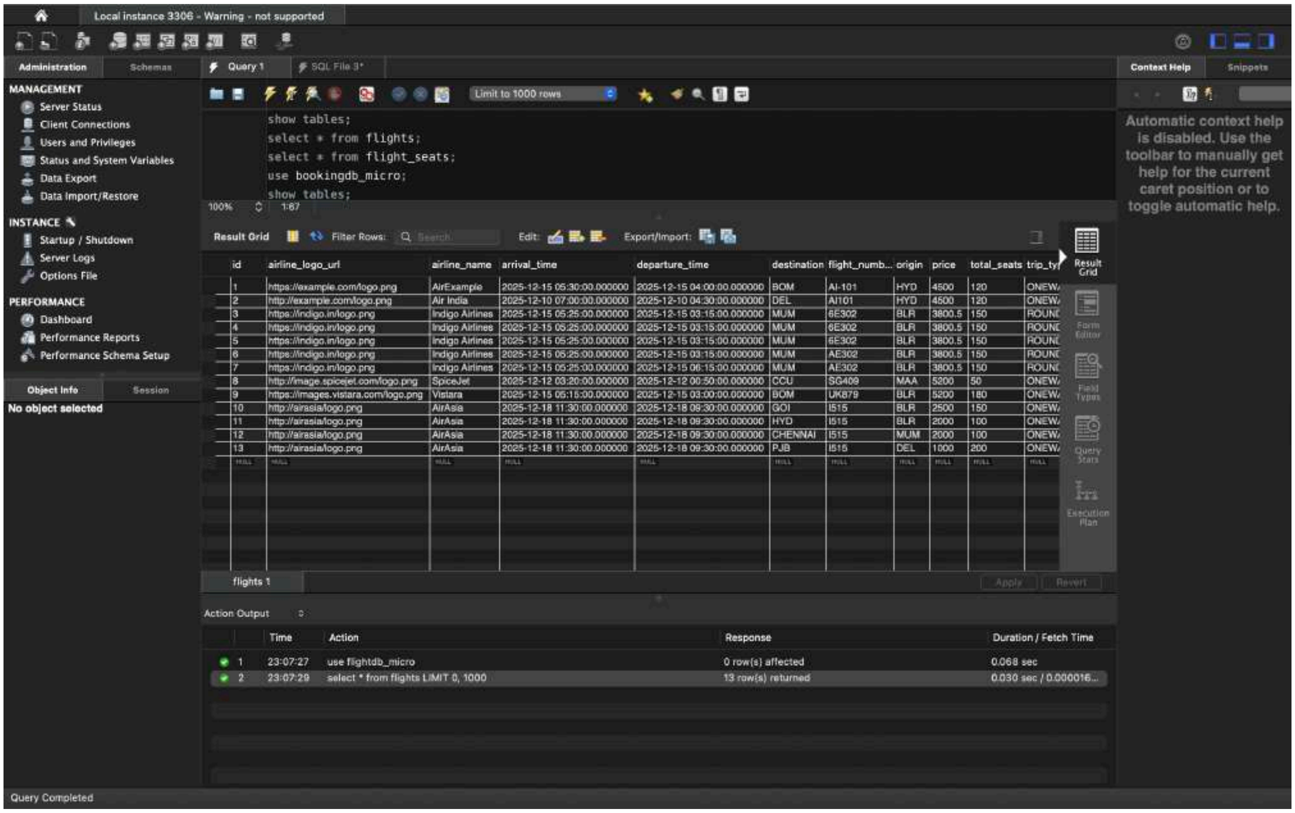
□			Name	Container ID	Image	Port(s)	CPU (%)	Memory usage...	Mem	Actions
□	⌄	●	flightbookingmi	-	-	-	20.74%	2.62GB / 34.45GE		
□		●	service-regist	f48245f8ac4a	flightbookir	8761:8761	5.95%	276.2MB / 3.83GI		
□		●	flight_rabbitm	859cc8fa673a	rabbitmq:3-	15672:15672 Show all ports (2)	1.79%	128.7MB / 3.83GI		
□		●	flight_mysql	60405d45542f	mysql:8.0	3307:3306	1.08%	384.9MB / 3.83GI		
□		●	config-server	4b9a9c6480b4	flightbookir	8888:8888	0.21%	307.8MB / 3.83GI		
□		●	booking-servi	daf7fecf15f2	flightbookir	8082:8082	0.44%	452MB / 3.83GB		
□		●	notification-s	167ad7ca61c1	flightbookir	8090:8090	8.82%	230MB / 3.83GB		
□		●	flight-service	a6d92d81a704	flightbookir	8081:8081	0.87%	336.3MB / 3.83GI		
□		●	auth-service	786598af6240	flightbookir	8085:8085	0.12%	307.7MB / 3.83GI		
□		●	api-gateway	7f09cc55981c	flightbookir	8087:8087	1.46%	254.9MB / 3.83GI		

Docker Logs:



```
ananyaarisenapalli@Ananyas-MacBook-Pro-3 FlightBookingMicro % docker compose up --build 2>&1 | tee parent-log.log
time="2025-12-08T23:13:10+05:30" level=warning msg="/Users/ananyaarisenapalli/workspace-spring-tools-for-eclipse-4.32.2.RELEASE/FlightBookingMicro/docker-compose.yml: the attribute `version` is obsolete
, it will be ignored, please remove it to avoid potential confusion"
#1 [internal] load local bake definitions
#1 reading from stdin 4.57kB done
#1 DONE 0.0s

#2 [flight-service internal] load build definition from Dockerfile
#2 transferring dockerfile: 447B done
#2 DONE 0.0s

#3 [api-gateway internal] load build definition from Dockerfile
#3 transferring dockerfile: 447B done
#3 DONE 0.0s

#4 [config-server internal] load build definition from Dockerfile
#4 transferring dockerfile: 447B 0.0s done
#4 DONE 0.0s

#5 [notification-service internal] load build definition from Dockerfile
#5 transferring dockerfile: 447B 0.0s done
#5 DONE 0.0s

#6 [booking-service internal] load build definition from Dockerfile
#6 transferring dockerfile: 447B done
#6 DONE 0.0s

#7 [auth-service internal] load build definition from Dockerfile
#7 transferring dockerfile: 447B done
#7 DONE 0.0s

#8 [service-registry internal] load build definition from Dockerfile
#8 transferring dockerfile: 447B done
#8 DONE 0.0s
```

Flight Database:

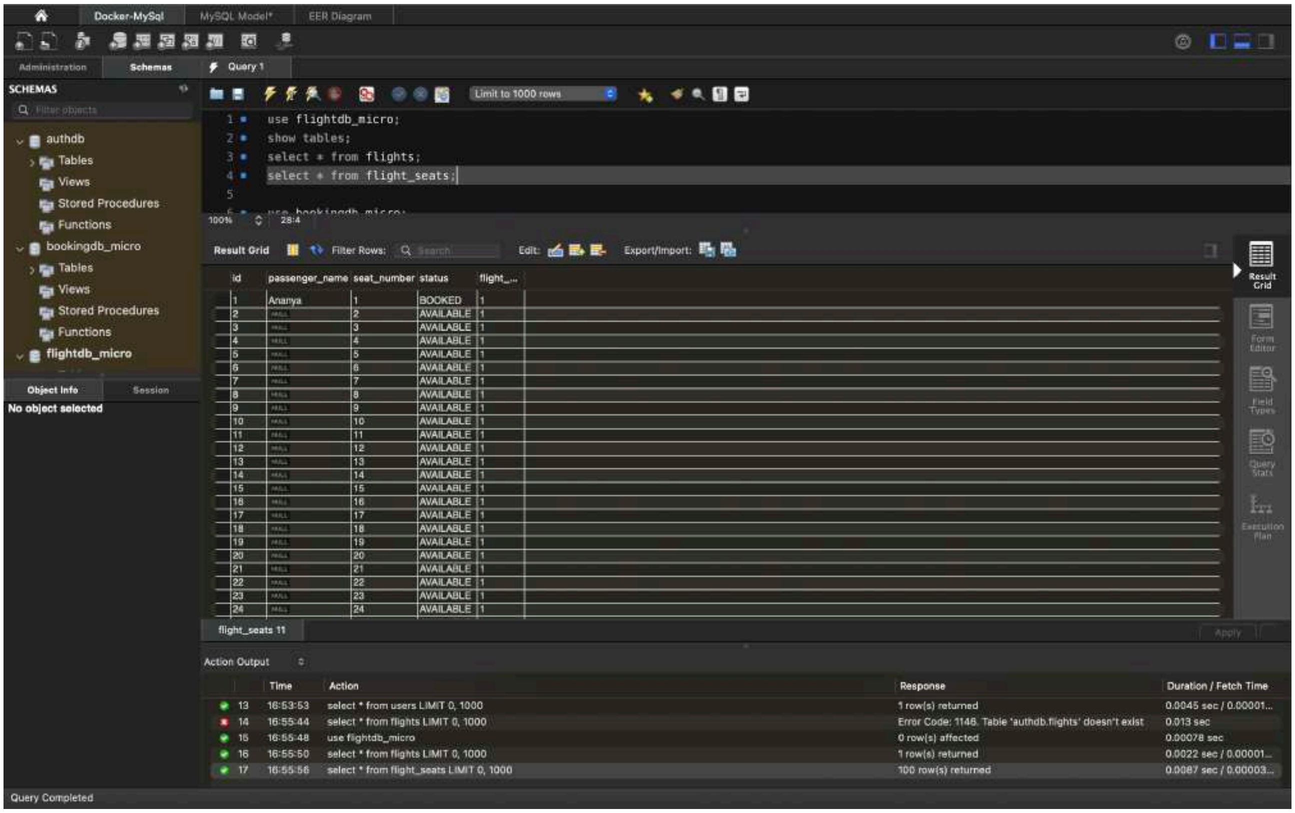


Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```sql
show tables;
select * from flights;
select * from flight_seats;
use bookingdb_micro;
show tables;
```

id	airline_logo_url	airline_name	arrival_time	departure_time	destination	flight_numb...	origin	price	total_seats	trip_ty
1	https://example.com/logo.png	AirExample	2025-12-15 05:30:00.000000	2025-12-15 04:00:00.000000	BOM	AI-101	HYD	4500	120	ONEW/
2	http://example.com/logo.png	Air India	2025-12-10 07:00:00.000000	2025-12-10 04:30:00.000000	DEL	AI101	HYD	4500	120	ONEW/
3	https://indigo.in/logo.png	Indigo Airlines	2025-12-15 05:25:00.000000	2025-12-15 03:15:00.000000	MUM	6E302	BLR	3800.5	150	ROUND
4	https://indigo.in/logo.png	Indigo Airlines	2025-12-15 05:25:00.000000	2025-12-15 03:15:00.000000	MUM	6E302	BLR	3800.5	150	ROUND
5	https://indigo.in/logo.png	Indigo Airlines	2025-12-15 05:25:00.000000	2025-12-15 03:15:00.000000	MUM	6E302	BLR	3800.5	150	ROUND
6	https://indigo.in/logo.png	Indigo Airlines	2025-12-15 05:25:00.000000	2025-12-15 03:15:00.000000	MUM	AE302	BLR	3800.5	150	ROUND
7	https://indigo.in/logo.png	Indigo Airlines	2025-12-15 05:25:00.000000	2025-12-15 06:15:00.000000	MUM	AE302	BLR	3800.5	150	ROUND
8	http://image.spicejet.com/logo.png	SpiceJet	2025-12-12 03:20:00.000000	2025-12-12 00:50:00.000000	CCU	SG409	MAA	5200	50	ONEW/
9	https://images.vistara.com/logo.png	Vistara	2025-12-15 05:15:00.000000	2025-12-15 03:00:00.000000	BOM	UK879	BLR	5200	180	ONEW/
10	http://airasia/logo.png	AirAsia	2025-12-18 11:30:00.000000	2025-12-18 09:30:00.000000	GOI	I515	BLR	2500	150	ONEW/
11	http://airasia/logo.png	AirAsia	2025-12-18 11:30:00.000000	2025-12-18 09:30:00.000000	HYD	I515	BLR	2000	100	ONEW/
12	http://airasia/logo.png	AirAsia	2025-12-18 11:30:00.000000	2025-12-18 09:30:00.000000	CHENNAI	I515	MUM	2000	100	ONEW/
13	http://airasia/logo.png	AirAsia	2025-12-18 11:30:00.000000	2025-12-18 09:30:00.000000	PJB	I515	DEL	1000	200	ONEW/
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
     Time      Action                                   Response              Duration / Fetch Time
 1   23:07:27  use flightdb_micro                       0 row(s) affected     0.068 sec
 2   23:07:29  select * from flights LIMIT 0, 1000      13 row(s) returned    0.030 sec / 0.000016...
```

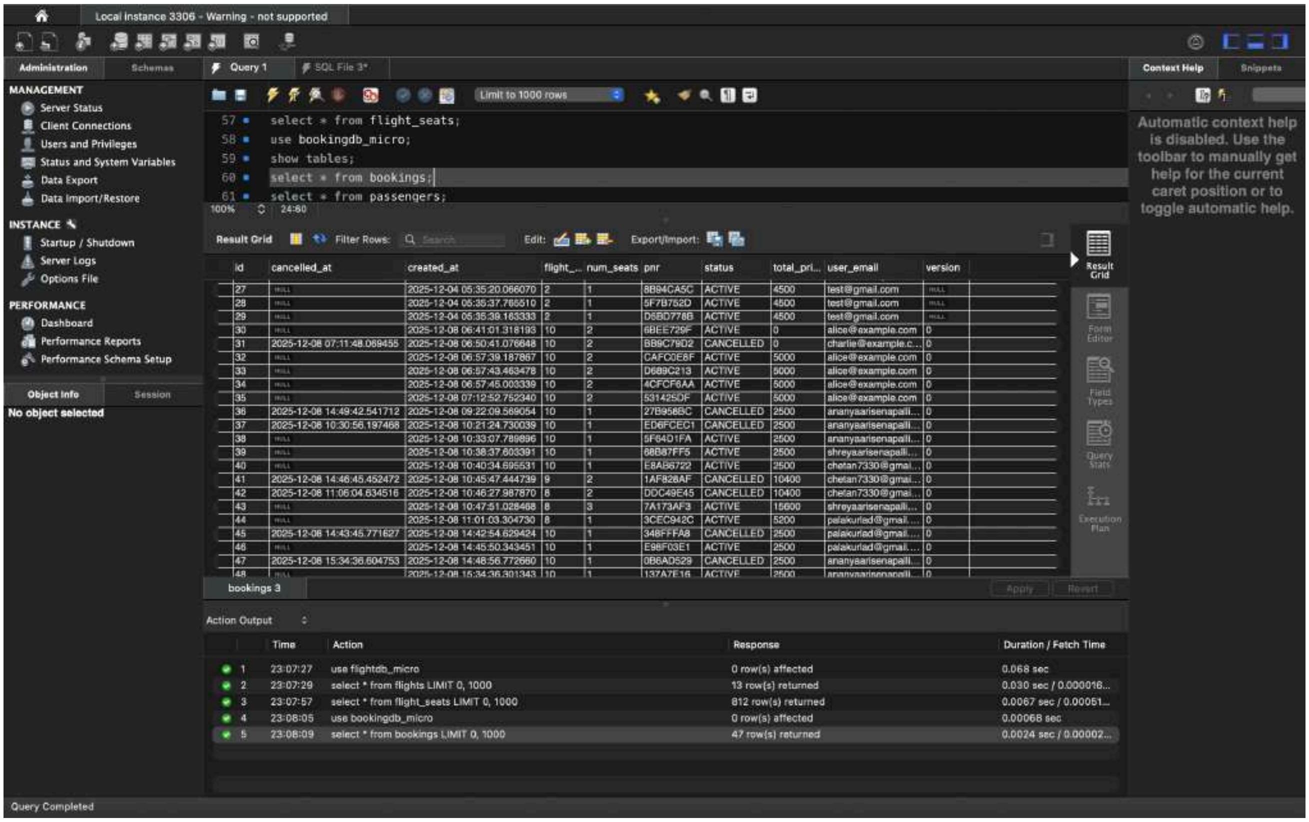


```sql
use flightdb_micro;
show tables;
select * from flights;
select * from flight_seats;

use bookingdb_micro;
```

id	passenger_name	seat_number	status	flight_...
1	Ananya	1	BOOKED	1
2	NULL	2	AVAILABLE	1
3	NULL	3	AVAILABLE	1
4	NULL	4	AVAILABLE	1
5	NULL	5	AVAILABLE	1
6	NULL	6	AVAILABLE	1
7	NULL	7	AVAILABLE	1
8	NULL	8	AVAILABLE	1
9	NULL	9	AVAILABLE	1
10	NULL	10	AVAILABLE	1
11	NULL	11	AVAILABLE	1
12	NULL	12	AVAILABLE	1
13	NULL	13	AVAILABLE	1
14	NULL	14	AVAILABLE	1
15	NULL	15	AVAILABLE	1
16	NULL	16	AVAILABLE	1
17	NULL	17	AVAILABLE	1
18	NULL	18	AVAILABLE	1
19	NULL	19	AVAILABLE	1
20	NULL	20	AVAILABLE	1
21	NULL	21	AVAILABLE	1
22	NULL	22	AVAILABLE	1
23	NULL	23	AVAILABLE	1
24	NULL	24	AVAILABLE	1

```
      Time      Action                                     Response                                             Duration / Fetch Time
 13   16:53:53  select * from users LIMIT 0, 1000          1 row(s) returned                                    0.0045 sec / 0.00001...
 14   16:55:44  select * from flights LIMIT 0, 1000        Error Code: 1146. Table 'authdb.flights' doesn't exist  0.013 sec
 15   16:55:48  use flightdb_micro                         0 row(s) affected                                    0.00078 sec
 16   16:55:50  select * from flights LIMIT 0, 1000        1 row(s) returned                                    0.0022 sec / 0.00001...
 17   16:55:56  select * from flight_seats LIMIT 0, 1000   100 row(s) returned                                  0.0087 sec / 0.00003...
```

Booking Database:

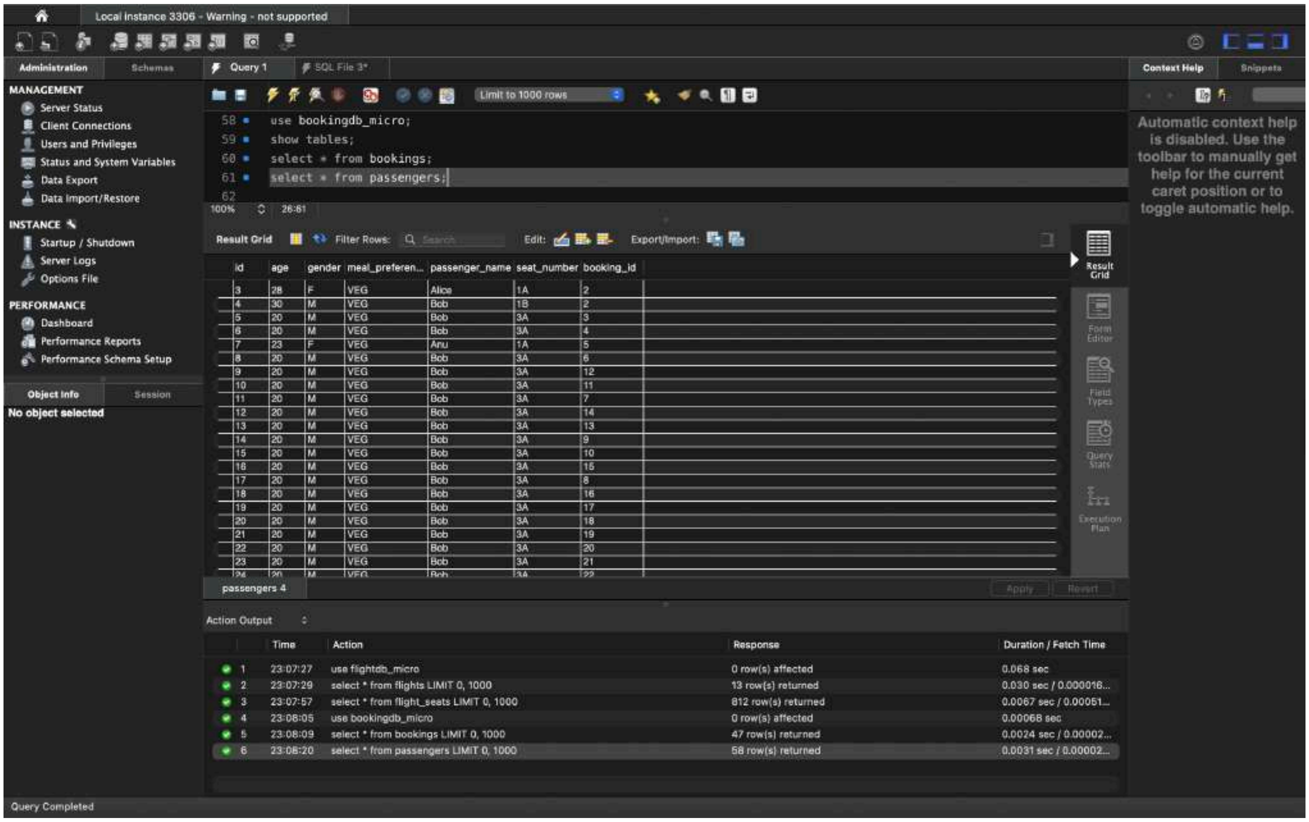


```
select * from flight_seats;
use bookingdb_micro;
show tables;
select * from bookings;
select * from passengers;
```

100% 24:60

id	cancelled_at	created_at	flight_...	num_seats	pnr	status	total_pri...	user_email	version
27	NULL	2025-12-04 05:35:20.066070	2	1	8B94CA5C	ACTIVE	4500	test@gmail.com	NULL
28	NULL	2025-12-04 05:35:37.766510	2	1	5F7B752D	ACTIVE	4500	test@gmail.com	NULL
29	NULL	2025-12-04 05:35:39.163333	2	1	D6BD776B	ACTIVE	4500	test@gmail.com	NULL
30	NULL	2025-12-08 06:41:01.318193	10	2	6BEE729F	ACTIVE	0	alice@example.com	0
31	2025-12-08 07:11:48.069455	2025-12-08 06:50:41.076648	10	2	BB9C79D2	CANCELLED	0	charlie@example.c...	0
32	NULL	2025-12-08 06:57:39.187867	10	2	CAFC0E6F	ACTIVE	5000	alice@example.com	0
33	NULL	2025-12-08 06:57:43.463478	10	2	D689C213	ACTIVE	5000	alice@example.com	0
34	NULL	2025-12-08 06:57:45.003339	10	2	4CFCF6AA	ACTIVE	5000	alice@example.com	0
35	NULL	2025-12-08 07:12:52.752340	10	2	531425DF	ACTIVE	5000	alice@example.com	0
36	2025-12-08 14:49:42.541712	2025-12-08 09:22:09.569054	10	1	27B958BC	CANCELLED	2500	ananyaarisenapalli...	0
37	2025-12-08 10:30:56.197468	2025-12-08 10:21:24.730039	10	1	ED6FCEC1	CANCELLED	2500	ananyaarisenapalli...	0
38	NULL	2025-12-08 10:33:07.789896	10	1	5F64D1FA	ACTIVE	2500	ananyaarisenapalli...	0
39	NULL	2025-12-08 10:38:37.603391	10	1	68B87FF5	ACTIVE	2500	shreyaarisenapalli...	0
40	NULL	2025-12-08 10:40:34.695531	10	1	E8AB6722	ACTIVE	2500	chetan7330@gmai...	0
41	2025-12-08 14:46:45.452472	2025-12-08 10:45:47.444739	9	2	1AF828AF	CANCELLED	10400	chetan7330@gmai...	0
42	2025-12-08 11:06:04.634516	2025-12-08 10:46:27.987870	8	2	DDC49E45	CANCELLED	10400	chetan7330@gmai...	0
43	NULL	2025-12-08 10:47:51.028468	8	3	7A173AF3	ACTIVE	15600	shreyaarisenapalli...	0
44	NULL	2025-12-08 11:01:03.304730	8	1	3CEC942C	ACTIVE	5200	palakurlad@gmail....	0
45	2025-12-08 14:43:45.771627	2025-12-08 14:42:54.629424	10	1	348FFFA8	CANCELLED	2500	palakurlad@gmail....	0
46	NULL	2025-12-08 14:45:50.343451	10	1	E98F03E1	ACTIVE	2500	palakurlad@gmail....	0
47	2025-12-08 15:34:36.604753	2025-12-08 14:48:56.772660	10	1	0B6AD529	CANCELLED	2500	ananyaarisenapalli...	0
48	NULL	2025-12-08 15:34:36.301343	10	1	137A7E16	ACTIVE	2500	ananyaarisenapalli...	0

		Time	Action	Response	Duration / Fetch Time
●	1	23:07:27	use flightdb_micro	0 row(s) affected	0.068 sec
●	2	23:07:29	select * from flights LIMIT 0, 1000	13 row(s) returned	0.030 sec / 0.000016...
●	3	23:07:57	select * from flight_seats LIMIT 0, 1000	812 row(s) returned	0.0067 sec / 0.00051...
●	4	23:08:05	use bookingdb_micro	0 row(s) affected	0.00068 sec
●	5	23:08:09	select * from bookings LIMIT 0, 1000	47 row(s) returned	0.0024 sec / 0.00002...



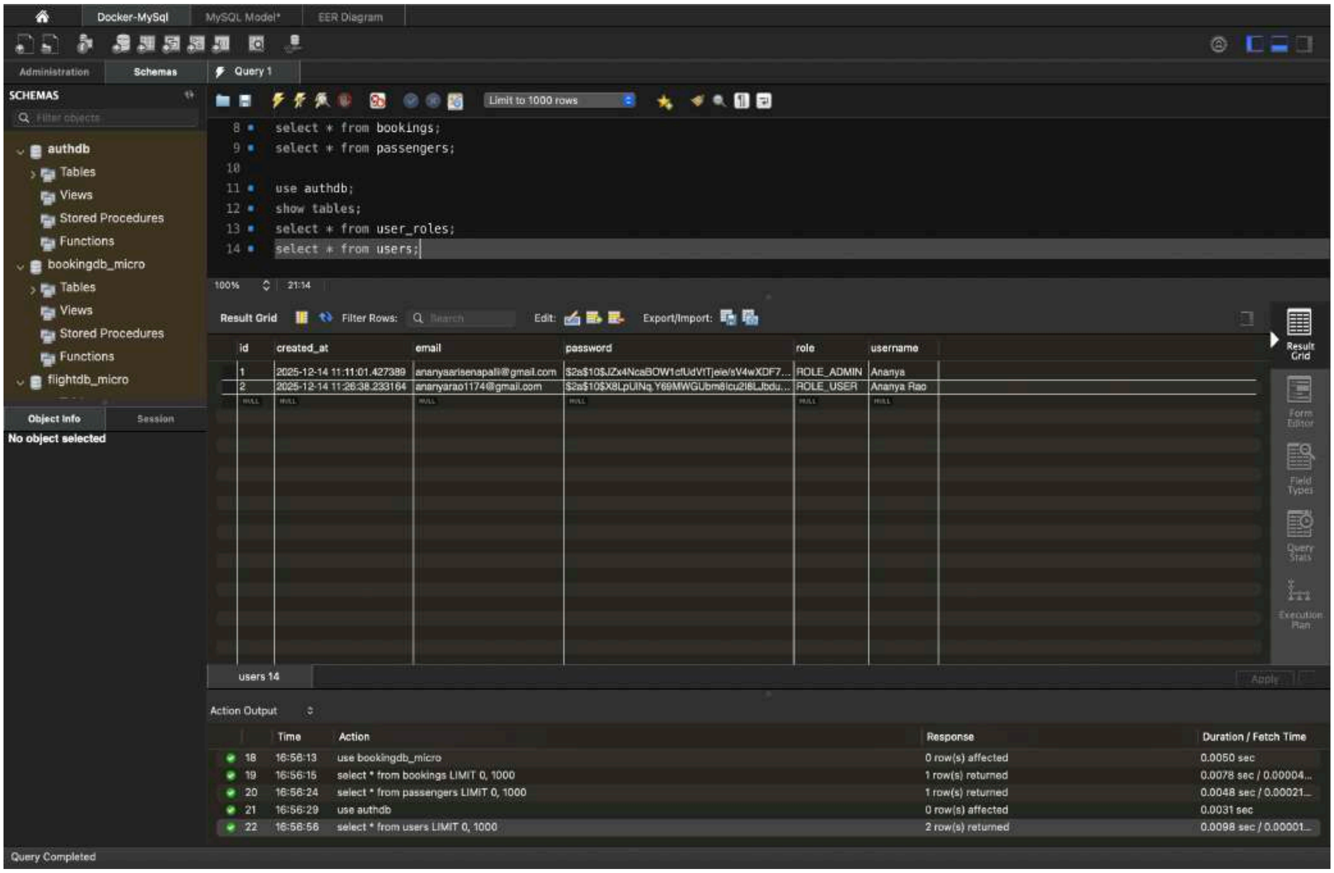
```
use bookingdb_micro;
show tables;
select * from bookings;
select * from passengers;

```

100% 26:61

id	age	gender	meal_preferen...	passenger_name	seat_number	booking_id
3	28	F	VEG	Alice	1A	2
4	30	M	VEG	Bob	1B	2
5	20	M	VEG	Bob	3A	3
6	20	M	VEG	Bob	3A	4
7	23	F	VEG	Anu	1A	5
8	20	M	VEG	Bob	3A	6
9	20	M	VEG	Bob	3A	12
10	20	M	VEG	Bob	3A	11
11	20	M	VEG	Bob	3A	7
12	20	M	VEG	Bob	3A	14
13	20	M	VEG	Bob	3A	13
14	20	M	VEG	Bob	3A	9
15	20	M	VEG	Bob	3A	10
16	20	M	VEG	Bob	3A	15
17	20	M	VEG	Bob	3A	8
18	20	M	VEG	Bob	3A	16
19	20	M	VEG	Bob	3A	17
20	20	M	VEG	Bob	3A	18
21	20	M	VEG	Bob	3A	19
22	20	M	VEG	Bob	3A	20
23	20	M	VEG	Bob	3A	21
24	20	M	VEG	Bob	3A	22

		Time	Action	Response	Duration / Fetch Time
●	1	23:07:27	use flightdb_micro	0 row(s) affected	0.068 sec
●	2	23:07:29	select * from flights LIMIT 0, 1000	13 row(s) returned	0.030 sec / 0.000016...
●	3	23:07:57	select * from flight_seats LIMIT 0, 1000	812 row(s) returned	0.0067 sec / 0.00051...
●	4	23:08:05	use bookingdb_micro	0 row(s) affected	0.00068 sec
●	5	23:08:09	select * from bookings LIMIT 0, 1000	47 row(s) returned	0.0024 sec / 0.00002...
●	6	23:08:20	select * from passengers LIMIT 0, 1000	58 row(s) returned	0.0031 sec / 0.00002...

Auth Database:



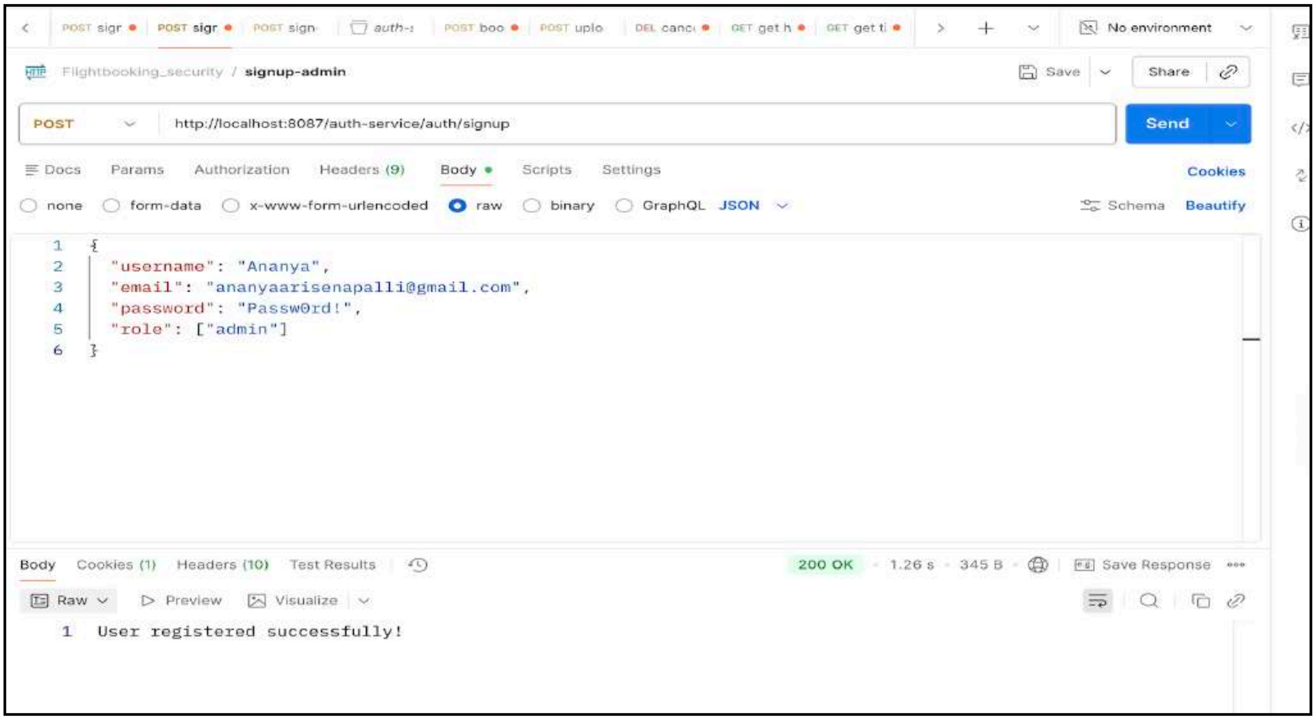
```
select * from bookings;
select * from passengers;

use authdb;
show tables;
select * from user_roles;
select * from users;
```

id	created_at	email	password	role	username
1	2025-12-14 11:11:01.427389	ananyaarisenapalli@gmail.com	$2a$10$JZx4NcaBOW1cfUdVfTjeie/sV4wXDF7...	ROLE_ADMIN	Ananya
2	2025-12-14 11:26:38.233164	ananyarao1174@gmail.com	$2a$10$X8LpUINq.Y69MWGUbm8lcu2I6LJbdu...	ROLE_USER	Ananya Rao
NULL	NULL	NULL	NULL	NULL	NULL

	Time	Action	Response	Duration / Fetch Time
18	16:56:13	use bookingdb_micro	0 row(s) affected	0.0050 sec
19	16:56:15	select * from bookings LIMIT 0, 1000	1 row(s) returned	0.0078 sec / 0.00004...
20	16:56:24	select * from passengers LIMIT 0, 1000	1 row(s) returned	0.0048 sec / 0.00021...
21	16:56:29	use authdb	0 row(s) affected	0.0031 sec
22	16:56:56	select * from users LIMIT 0, 1000	2 row(s) returned	0.0098 sec / 0.00001...

Postman API-Gateway with Security:

Admin Signup:



POST http://localhost:8087/auth-service/auth/signup

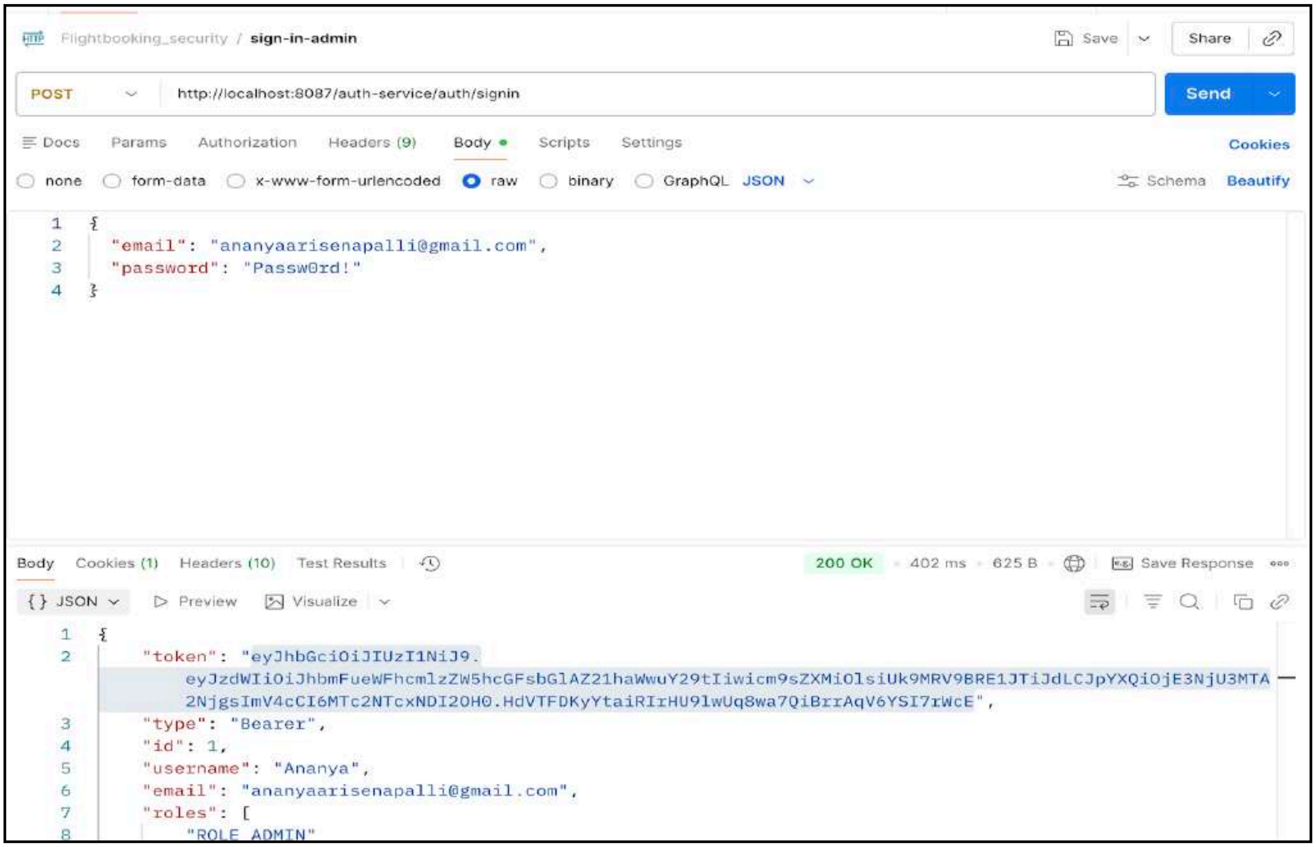
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "username": "Ananya",
  "email": "ananyaarisenapalli@gmail.com",
  "password": "Passw0rd!",
  "role": ["admin"]
}
```

200 OK · 1.26 s · 345 B

```
User registered successfully!
```

Admin Signin:



POST http://localhost:8087/auth-service/auth/signin

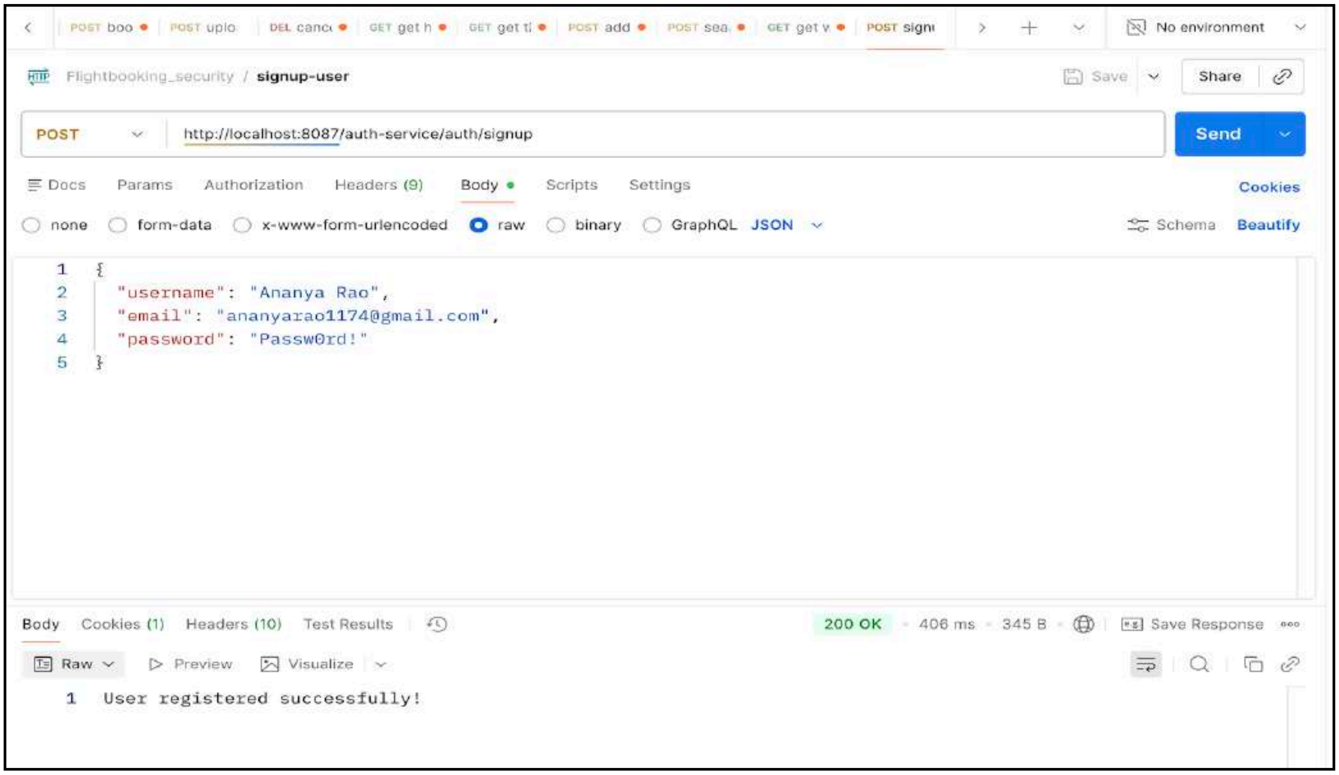
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "email": "ananyaarisenapalli@gmail.com",
  "password": "Passw0rd!"
}
```

200 OK · 402 ms · 625 B

```
{
    "token": "eyJhbGciOiJIUzI1NiJ9.
        eyJzdWIiOiJhbmFueWFhcmlzZW5hcGFsbGlAZ21haWwuY29tIiwicm9sZXMiOlsiUk9MRV9BRE1JTiJdLCJpYXQiOjE3NjU3MTA
        2NjgsImV4cCI6MTc2NTcxNDI2OH0.HdVTFDKyYtaiRIrHU9lwUq8wa7QiBrrAqV6YSI7rWcE",
    "type": "Bearer",
    "id": 1,
    "username": "Ananya",
    "email": "ananyaarisenapalli@gmail.com",
    "roles": [
        "ROLE_ADMIN"
```

User Signup:



POST http://localhost:8087/auth-service/auth/signup

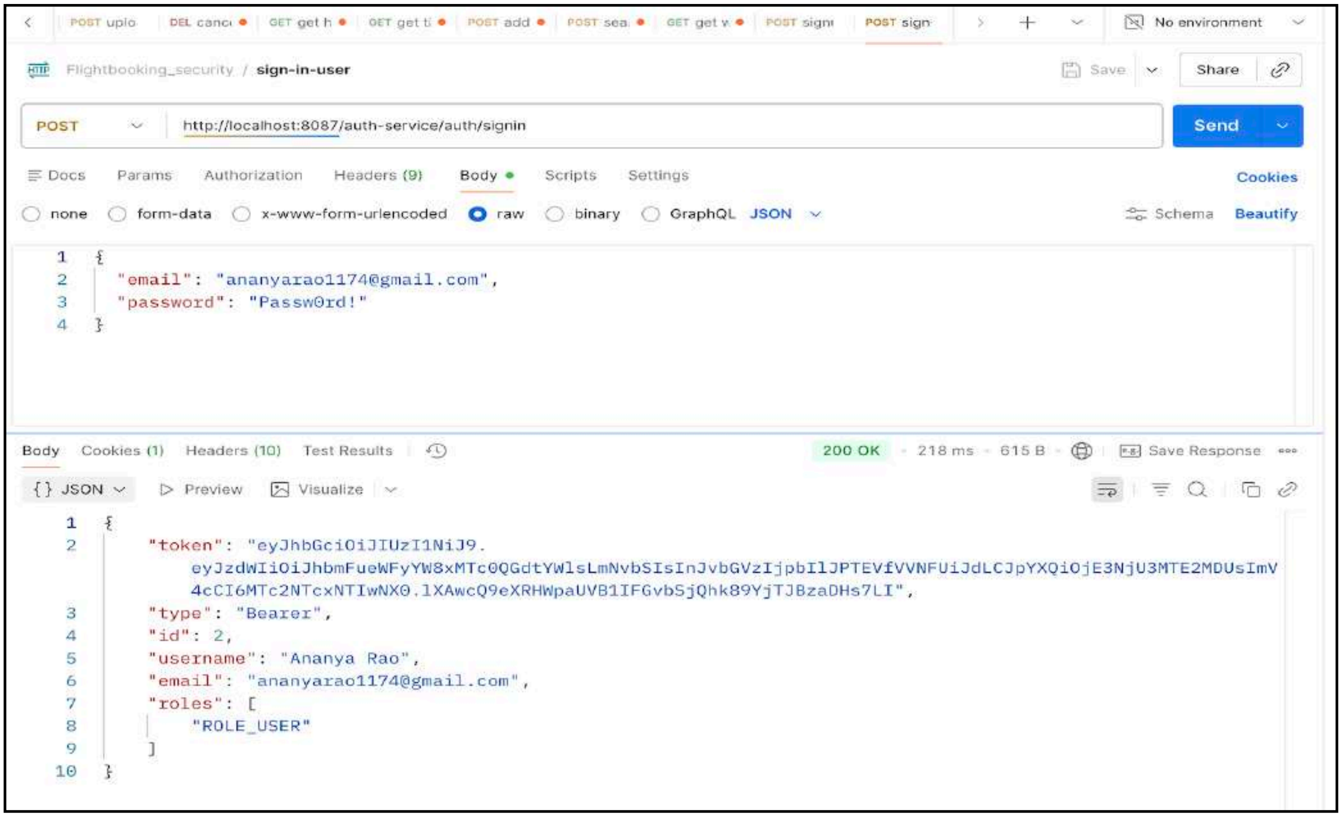
Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "username": "Ananya Rao",
  "email": "ananyarao1174@gmail.com",
  "password": "Passw0rd!"
}
```

Body — 200 OK · 406 ms · 345 B — Raw

```
User registered successfully!
```

User Signin:



POST http://localhost:8087/auth-service/auth/signin

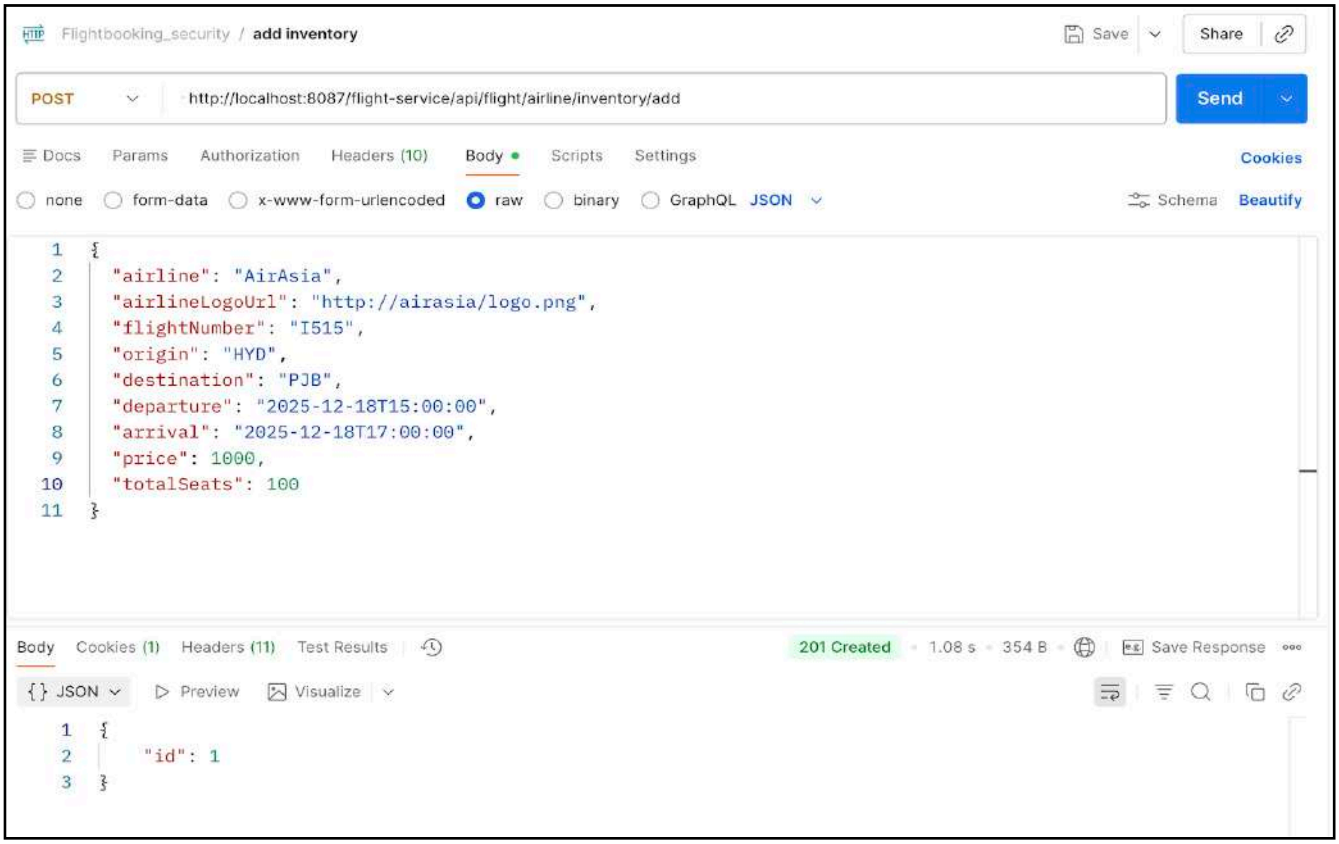
Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "email": "ananyarao1174@gmail.com",
  "password": "Passw0rd!"
}
```

Body — 200 OK · 218 ms · 615 B — {} JSON

```
{
    "token": "eyJhbGciOiJIUzI1NiJ9.
        eyJzdWIiOiJhbmFueWFyYW8xMTc0QGdtYWlsLmNvbSIsInJvbGVzIjpbIlJPTEVfVVNFUiJdLCJpYXQiOjE3NjU3MTE2MDUsImV
        4cCI6MTc2NTcxNTIwNX0.lXAwcQ9eXRHWpaUVB1IFGvbSjQhk89YjTJBzaDHs7LI",
    "type": "Bearer",
    "id": 2,
    "username": "Ananya Rao",
    "email": "ananyarao1174@gmail.com",
    "roles": [
        "ROLE_USER"
    ]
}
```

Add Inventory(Only Admin):



POST http://localhost:8087/flight-service/api/flight/airline/inventory/add

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

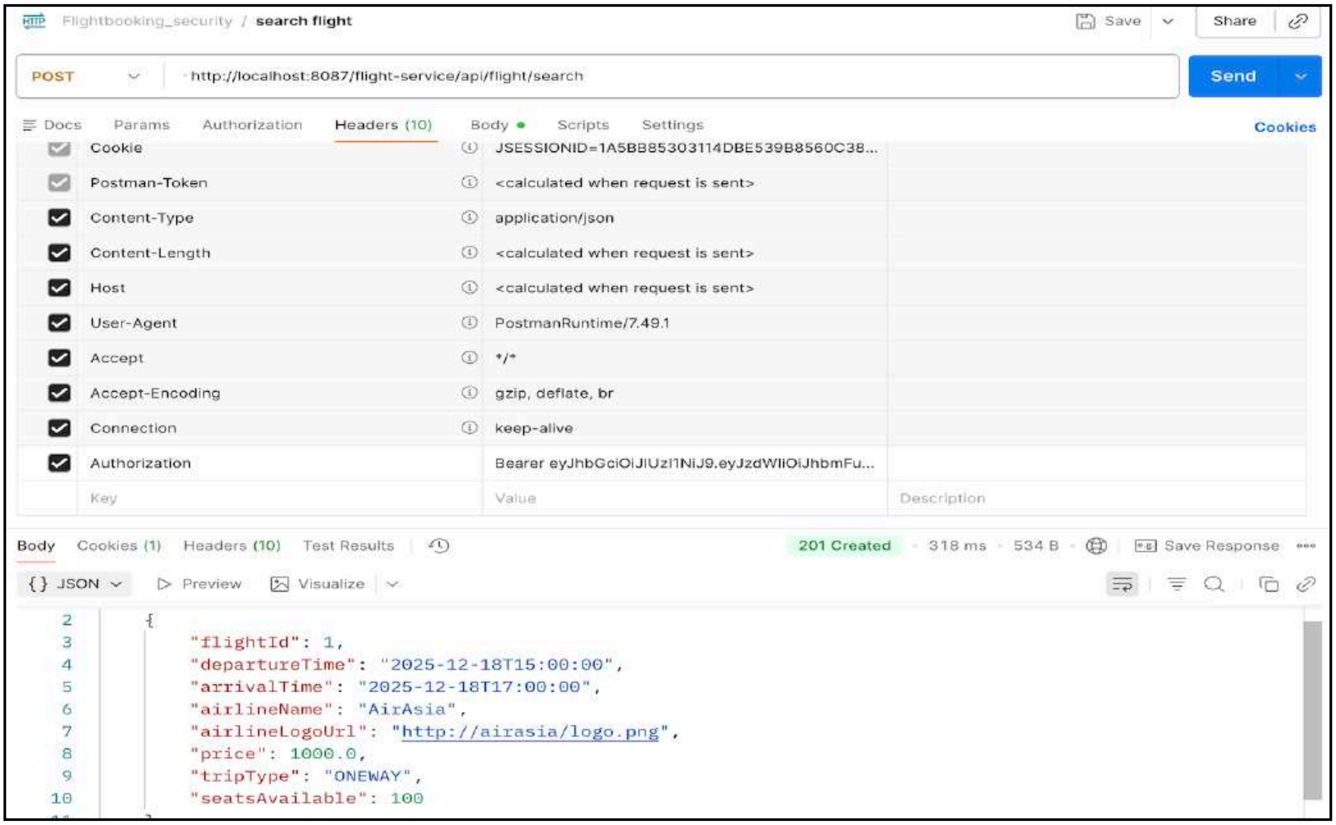
```
{
  "airline": "AirAsia",
  "airlineLogoUrl": "http://airasia/logo.png",
  "flightNumber": "I515",
  "origin": "HYD",
  "destination": "PJB",
  "departure": "2025-12-18T15:00:00",
  "arrival": "2025-12-18T17:00:00",
  "price": 1000,
  "totalSeats": 100
}
```

201 Created · 1.08 s · 354 B

{} JSON

```
{
    "id": 1
}
```

Search Flight:



POST http://localhost:8087/flight-service/api/flight/search

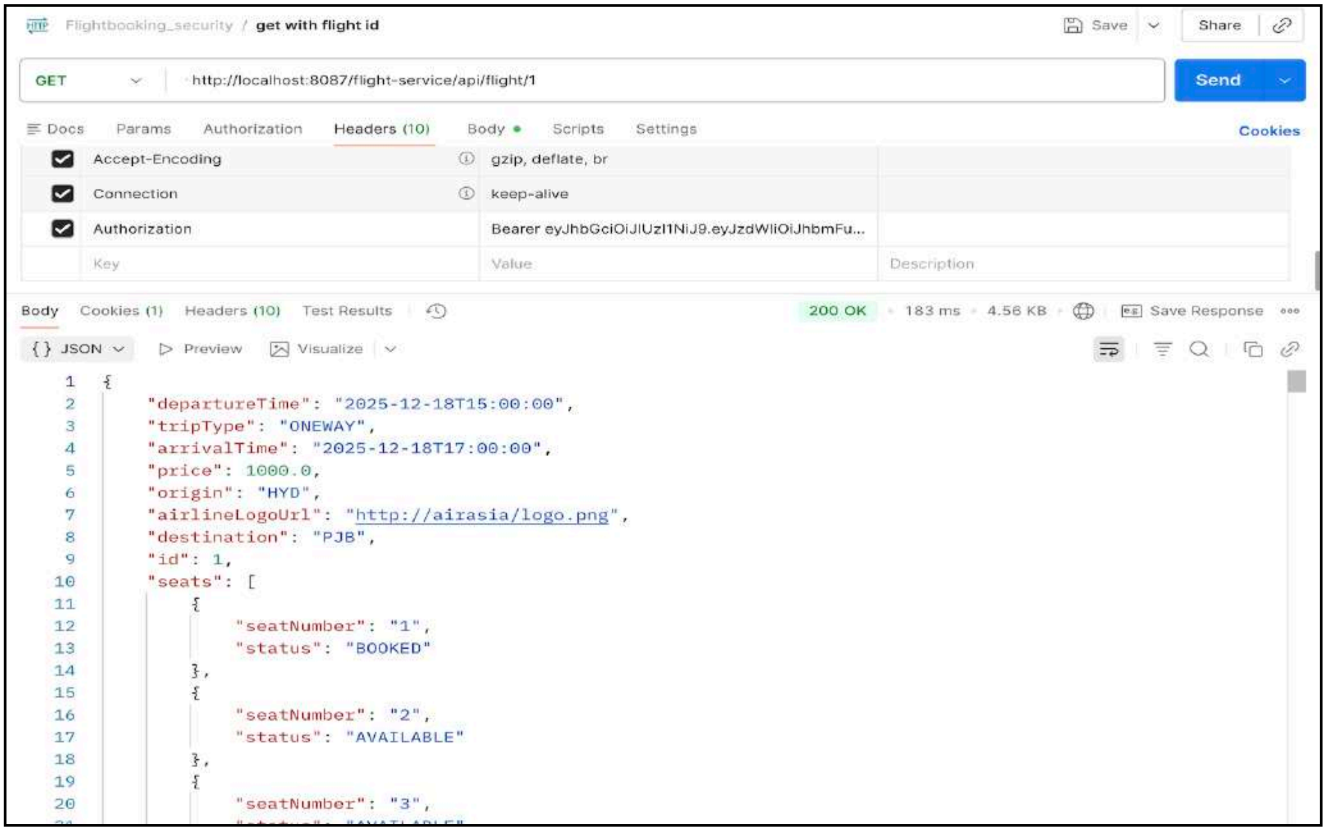
	Key	Value	Description
☑	Cookie	JSESSIONID=1A5BB85303114DBE539B8560C38...	
☑	Postman-Token	<calculated when request is sent>	
☑	Content-Type	application/json	
☑	Content-Length	<calculated when request is sent>	
☑	Host	<calculated when request is sent>	
☑	User-Agent	PostmanRuntime/7.49.1	
☑	Accept	*/*	
☑	Accept-Encoding	gzip, deflate, br	
☑	Connection	keep-alive	
☑	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhbmFu...	

201 Created · 318 ms · 534 B

{} JSON

```
    {
        "flightId": 1,
        "departureTime": "2025-12-18T15:00:00",
        "arrivalTime": "2025-12-18T17:00:00",
        "airlineName": "AirAsia",
        "airlineLogoUrl": "http://airasia/logo.png",
        "price": 1000.0,
        "tripType": "ONEWAY",
        "seatsAvailable": 100
```

Get Flight by ID:



Flightbooking_security / get with flight id

GET http://localhost:8087/flight-service/api/flight/1

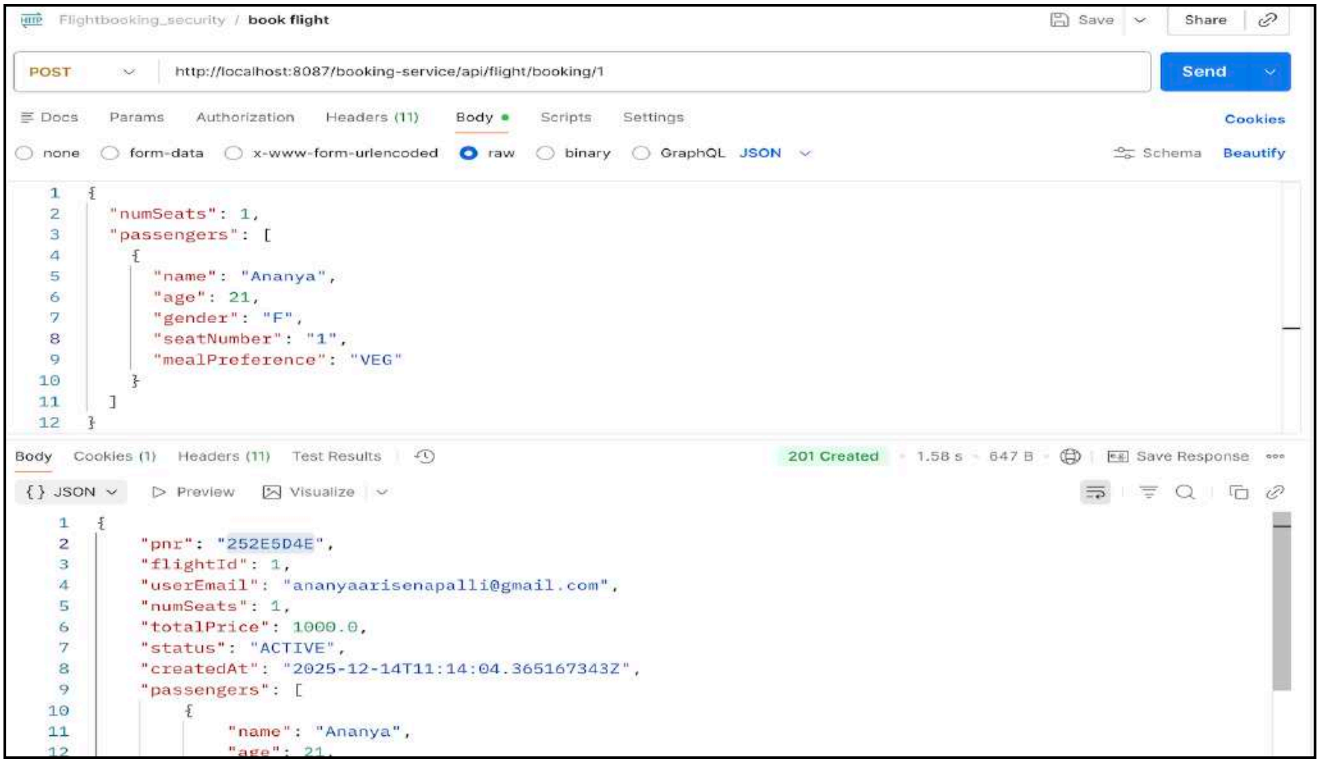
Headers (10)

	Key	Value	Description
☑	Accept-Encoding	gzip, deflate, br	
☑	Connection	keep-alive	
☑	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhbmFu...	

200 OK · 183 ms · 4.56 KB

```
{
    "departureTime": "2025-12-18T15:00:00",
    "tripType": "ONEWAY",
    "arrivalTime": "2025-12-18T17:00:00",
    "price": 1000.0,
    "origin": "HYD",
    "airlineLogoUrl": "http://airasia/logo.png",
    "destination": "PJB",
    "id": 1,
    "seats": [
        {
            "seatNumber": "1",
            "status": "BOOKED"
        },
        {
            "seatNumber": "2",
            "status": "AVAILABLE"
        },
        {
            "seatNumber": "3",
            "status": "AVAILABLE"
```

Book Ticket:



Flightbooking_security / book flight

POST http://localhost:8087/booking-service/api/flight/booking/1

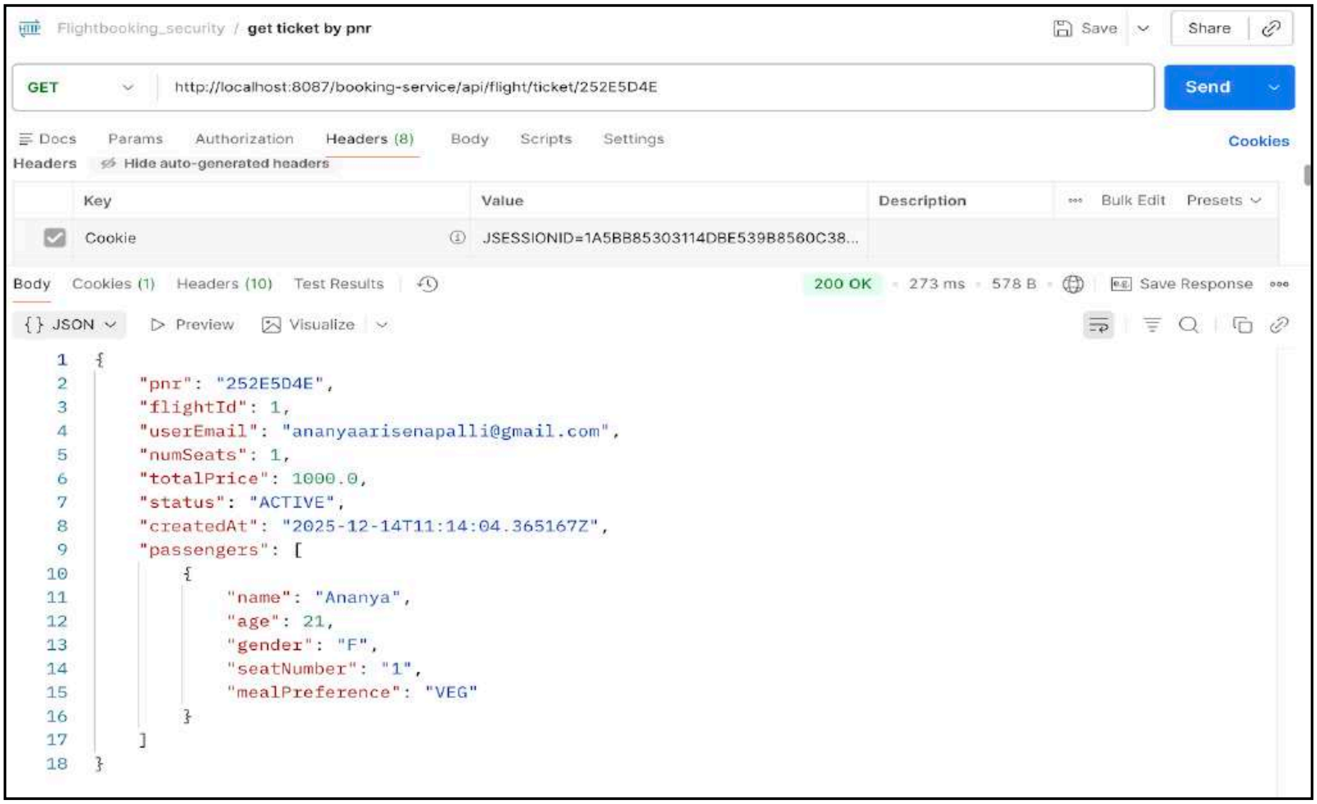
Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "numSeats": 1,
  "passengers": [
    {
      "name": "Ananya",
      "age": 21,
      "gender": "F",
      "seatNumber": "1",
      "mealPreference": "VEG"
    }
  ]
}
```

201 Created · 1.58 s · 647 B

```
{
    "pnr": "252E5D4E",
    "flightId": 1,
    "userEmail": "ananyaarisenapalli@gmail.com",
    "numSeats": 1,
    "totalPrice": 1000.0,
    "status": "ACTIVE",
    "createdAt": "2025-12-14T11:14:04.365167343Z",
    "passengers": [
        {
            "name": "Ananya",
            "age": 21,
```

Get Details by PNR:



GET http://localhost:8087/booking-service/api/flight/ticket/252E5D4E

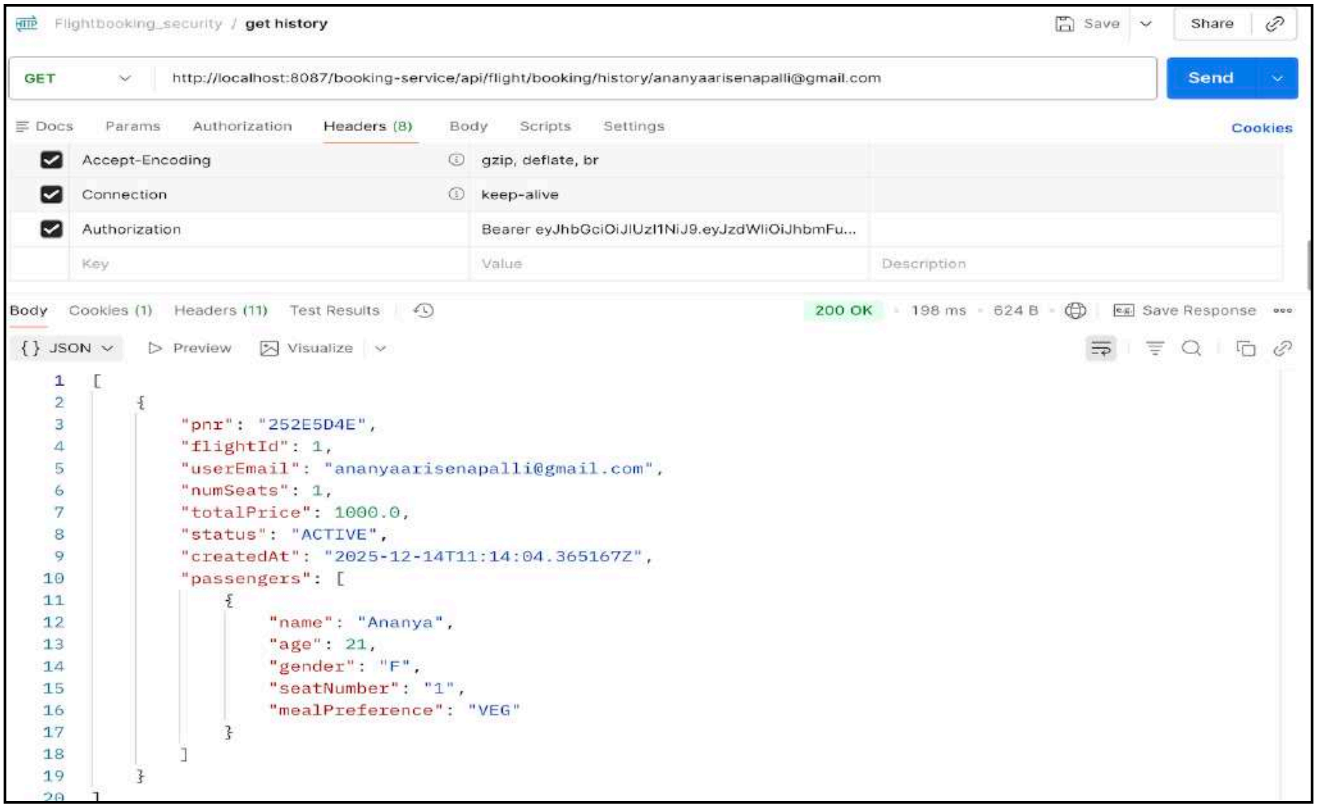
Headers

	Key	Value	Description
☑	Cookie	JSESSIONID=1A5BB85303114DBE539B8560C38...	

200 OK · 273 ms · 578 B

```
{
    "pnr": "252E5D4E",
    "flightId": 1,
    "userEmail": "ananyaarisenapalli@gmail.com",
    "numSeats": 1,
    "totalPrice": 1000.0,
    "status": "ACTIVE",
    "createdAt": "2025-12-14T11:14:04.365167Z",
    "passengers": [
        {
            "name": "Ananya",
            "age": 21,
            "gender": "F",
            "seatNumber": "1",
            "mealPreference": "VEG"
        }
    ]
}
```

Get History with Email:



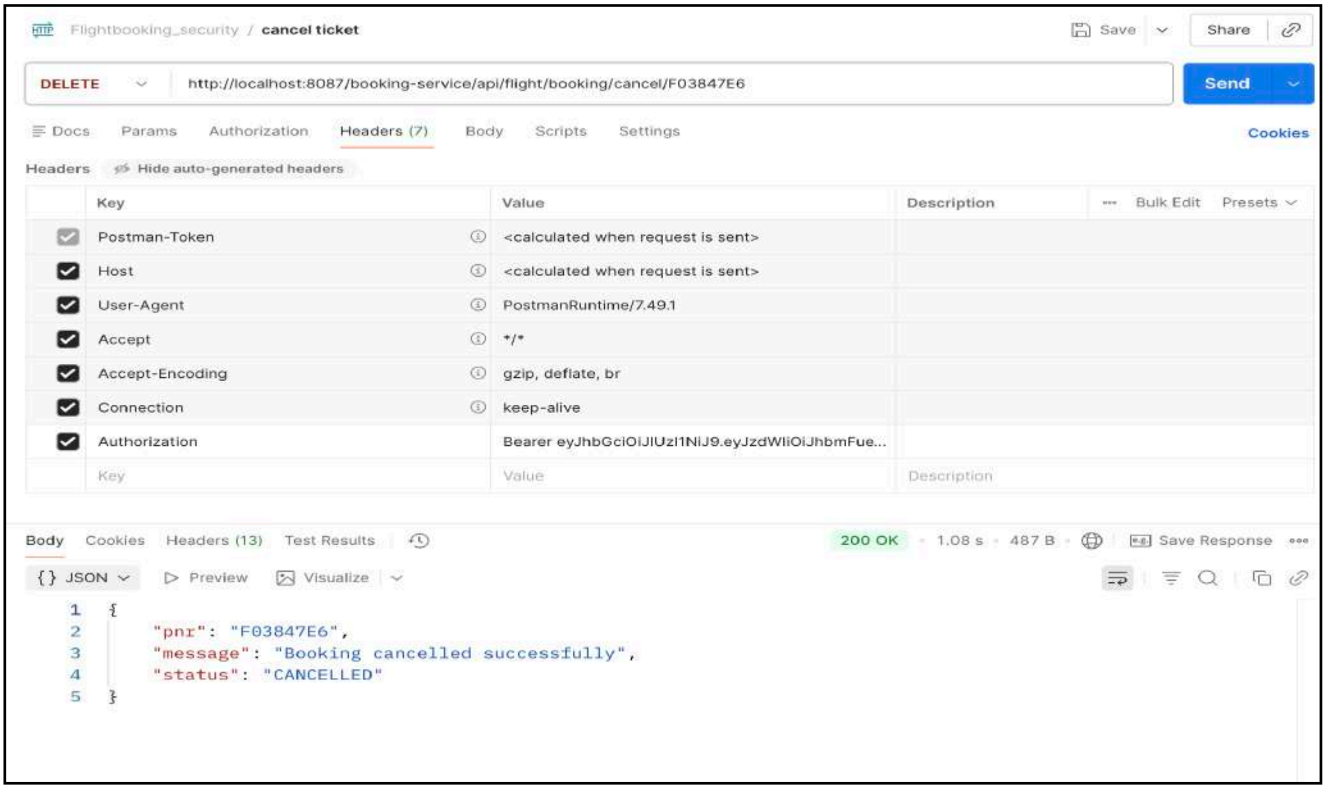
GET http://localhost:8087/booking-service/api/flight/booking/history/ananyaarisenapalli@gmail.com

	Key	Value	Description
☑	Accept-Encoding	gzip, deflate, br	
☑	Connection	keep-alive	
☑	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWliOiJhbmFu...	
	Key	Value	Description

200 OK · 198 ms · 624 B

```
[
    {
        "pnr": "252E5D4E",
        "flightId": 1,
        "userEmail": "ananyaarisenapalli@gmail.com",
        "numSeats": 1,
        "totalPrice": 1000.0,
        "status": "ACTIVE",
        "createdAt": "2025-12-14T11:14:04.365167Z",
        "passengers": [
            {
                "name": "Ananya",
                "age": 21,
                "gender": "F",
                "seatNumber": "1",
                "mealPreference": "VEG"
            }
        ]
    }
]
```

Cancel Ticket:



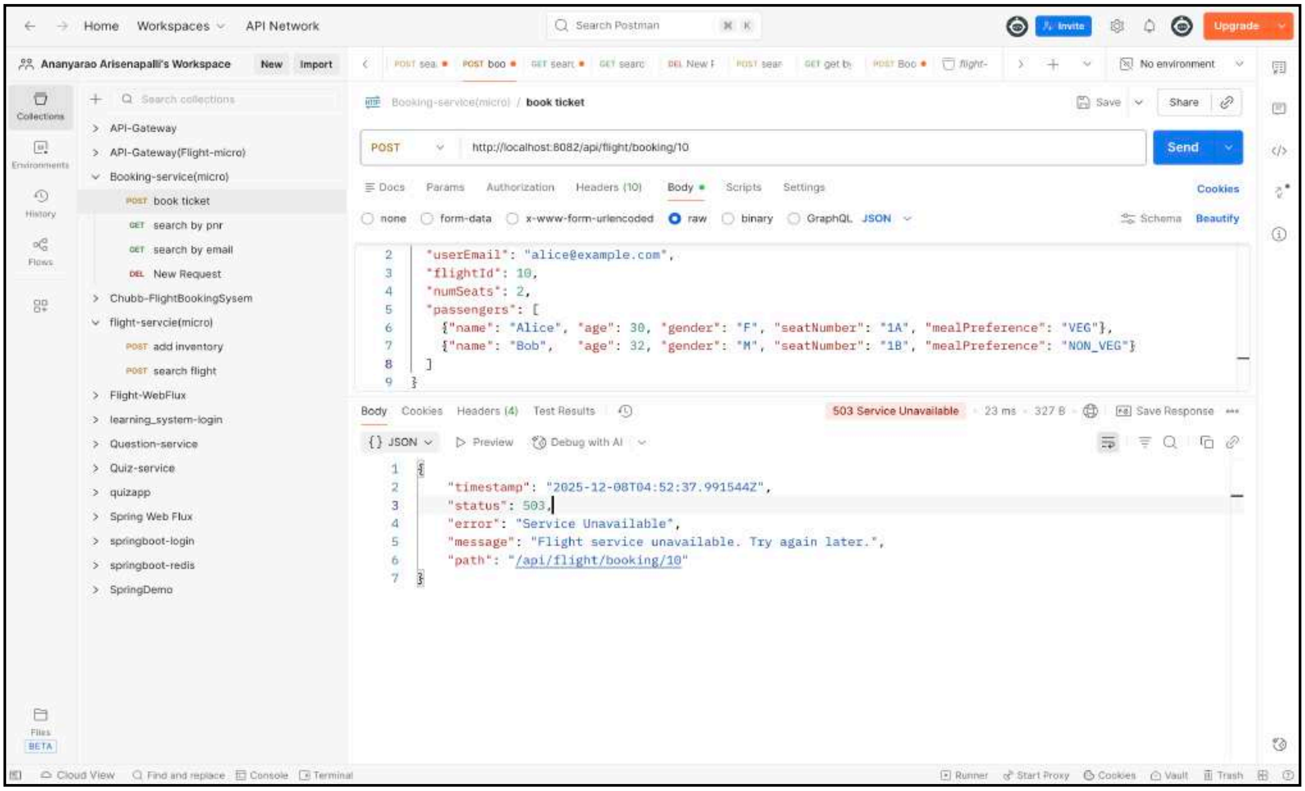
DELETE http://localhost:8087/booking-service/api/flight/booking/cancel/F03847E6

	Key	Value	Description
☑	Postman-Token	<calculated when request is sent>	
☑	Host	<calculated when request is sent>	
☑	User-Agent	PostmanRuntime/7.49.1	
☑	Accept	*/*	
☑	Accept-Encoding	gzip, deflate, br	
☑	Connection	keep-alive	
☑	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhbmFue...	
	Key	Value	Description

200 OK · 1.08 s · 487 B

```
{
    "pnr": "F03847E6",
    "message": "Booking cancelled successfully",
    "status": "CANCELLED"
}
```

Circuit Breaker:



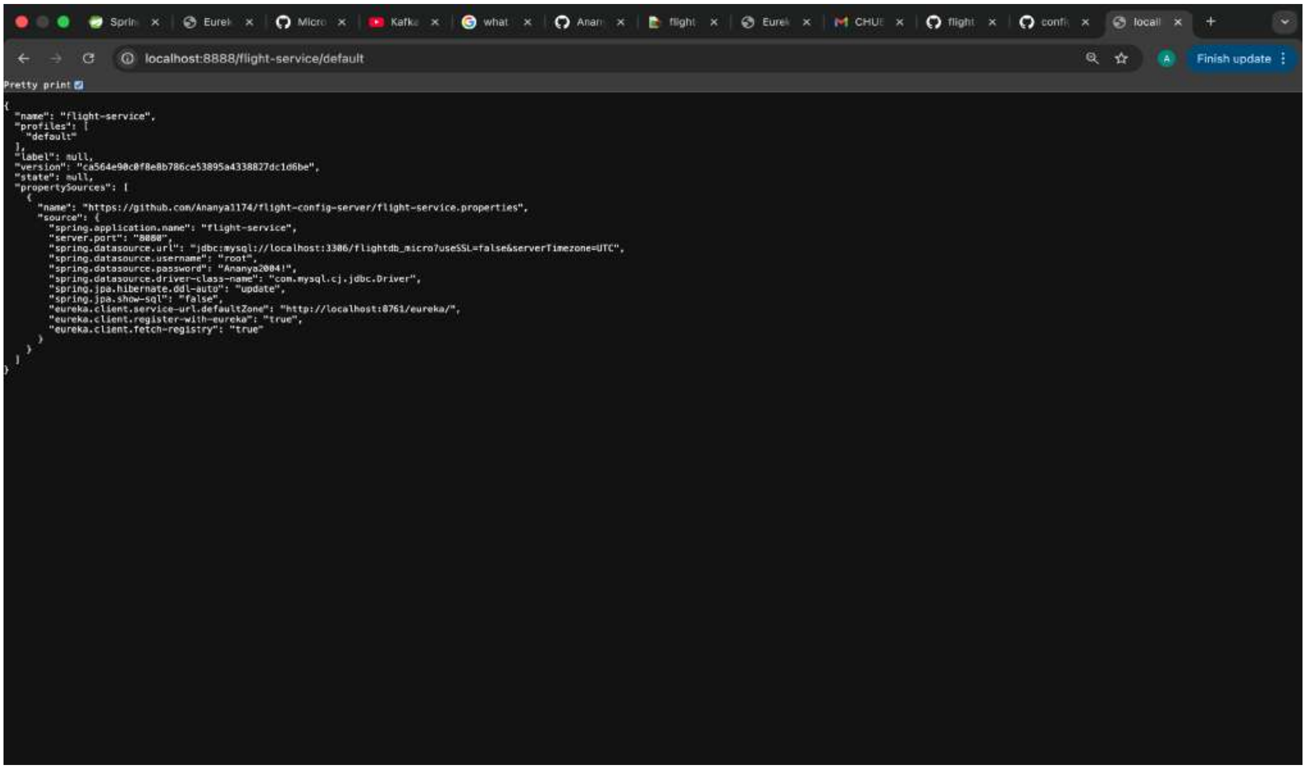
POST http://localhost:8082/api/flight/booking/10

```
  "userEmail": "alice@example.com",
  "flightId": 10,
  "numSeats": 2,
  "passengers": [
    {"name": "Alice", "age": 30, "gender": "F", "seatNumber": "1A", "mealPreference": "VEG"},
    {"name": "Bob",    "age": 32, "gender": "M", "seatNumber": "1B", "mealPreference": "NON_VEG"}
  ]
}
```

503 Service Unavailable

```
{
    "timestamp": "2025-12-08T04:52:37.991544Z",
    "status": 503,
    "error": "Service Unavailable",
    "message": "Flight service unavailable. Try again later.",
    "path": "/api/flight/booking/10"
}
```

Config-Server:

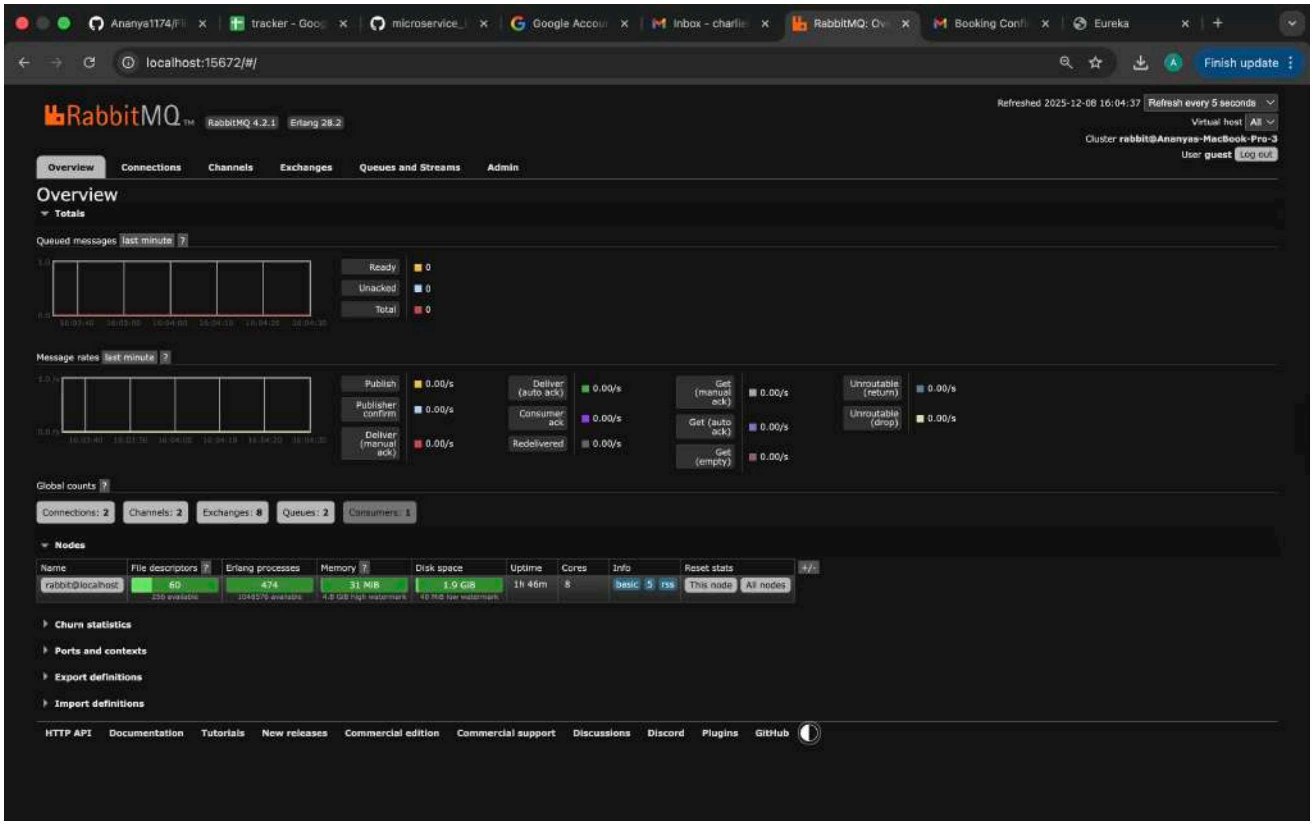


localhost:8888/flight-service/default

Pretty print ☑

```
{
  "name": "flight-service",
  "profiles": [
    "default"
  ],
  "label": null,
  "version": "ca564e90c0f8e8b786ce53895a4338827dc1d6be",
  "state": null,
  "propertySources": [
    {
      "name": "https://github.com/Ananya1174/flight-config-server/flight-service.properties",
      "source": {
        "spring.application.name": "flight-service",
        "server.port": "8080",
        "spring.datasource.url": "jdbc:mysql://localhost:3306/flightdb_micro?useSSL=false&serverTimezone=UTC",
        "spring.datasource.username": "root",
        "spring.datasource.password": "Ananya2004!",
        "spring.datasource.driver-class-name": "com.mysql.cj.jdbc.Driver",
        "spring.jpa.hibernate.ddl-auto": "update",
        "spring.jpa.show-sql": "false",
        "eureka.client.service-url.defaultZone": "http://localhost:8761/eureka/",
        "eureka.client.register-with-eureka": "true",
        "eureka.client.fetch-registry": "true"
      }
    }
  ]
}
```

Message Broker-RabbitMQ:



localhost:15672/#/

RabbitMQ™ RabbitMQ 4.2.1 Erlang 28.2

Refreshed 2025-12-08 16:04:37 Refresh every 5 seconds
Virtual host All
Cluster **rabbit@Ananyas-MacBook-Pro-3**
User **guest** Log out

Overview | Connections | Channels | Exchanges | Queues and Streams | Admin

Overview

▾ Totals

Queued messages last minute ?

Ready	0
Unacked	0
Total	0

Message rates last minute ?

Publish	0.00/s	Deliver (auto ack)	0.00/s	Get (manual ack)	0.00/s	Unroutable (return)	0.00/s
Publisher confirm	0.00/s	Consumer ack	0.00/s	Get (auto ack)	0.00/s	Unroutable (drop)	0.00/s
Deliver (manual ack)	0.00/s	Redelivered	0.00/s	Get (empty)	0.00/s		

Global counts ?

Connections: 2 | Channels: 2 | Exchanges: 8 | Queues: 2 | Consumers: 1

▾ Nodes

Name	File descriptors ?	Erlang processes	Memory ?	Disk space	Uptime	Cores	Info	Reset stats
rabbit@localhost	60 256 available	474 1048576 available	31 MiB 4.8 GiB high watermark	1.9 GiB 48 MiB low watermark	1h 46m	8	basic 5 rss	This node All nodes

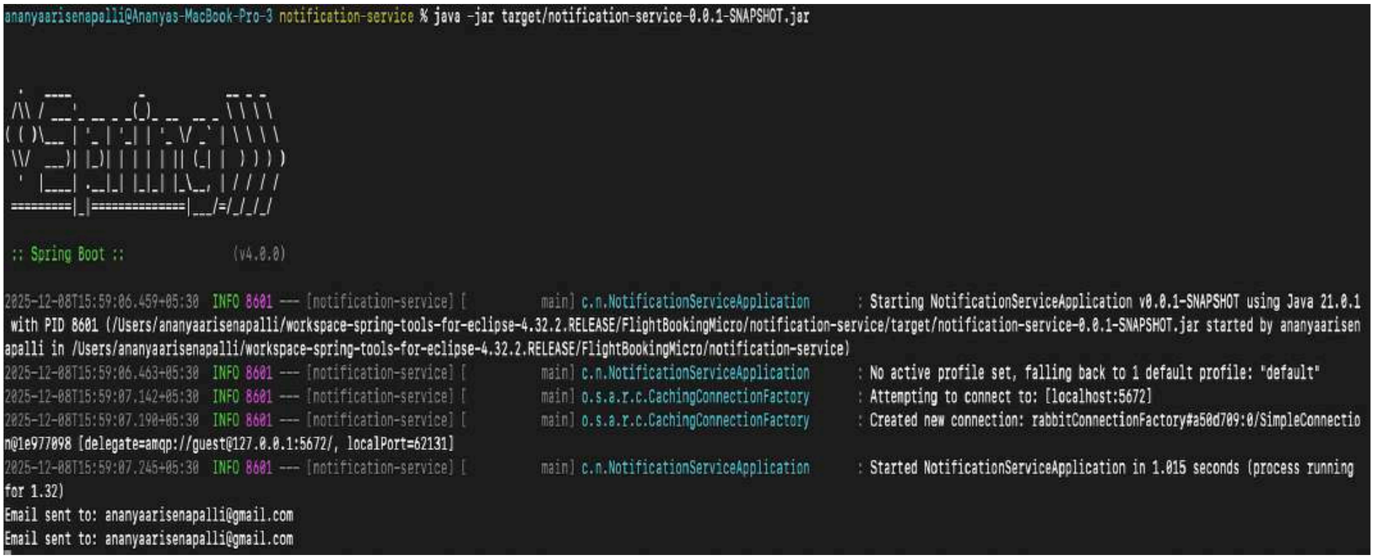
▸ Churn statistics

▸ Ports and contexts

▸ Export definitions

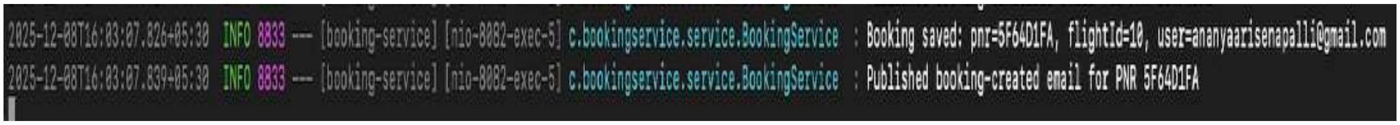
▸ Import definitions

HTTP API | Documentation | Tutorials | New releases | Commercial edition | Commercial support | Discussions | Discord | Plugins | GitHub

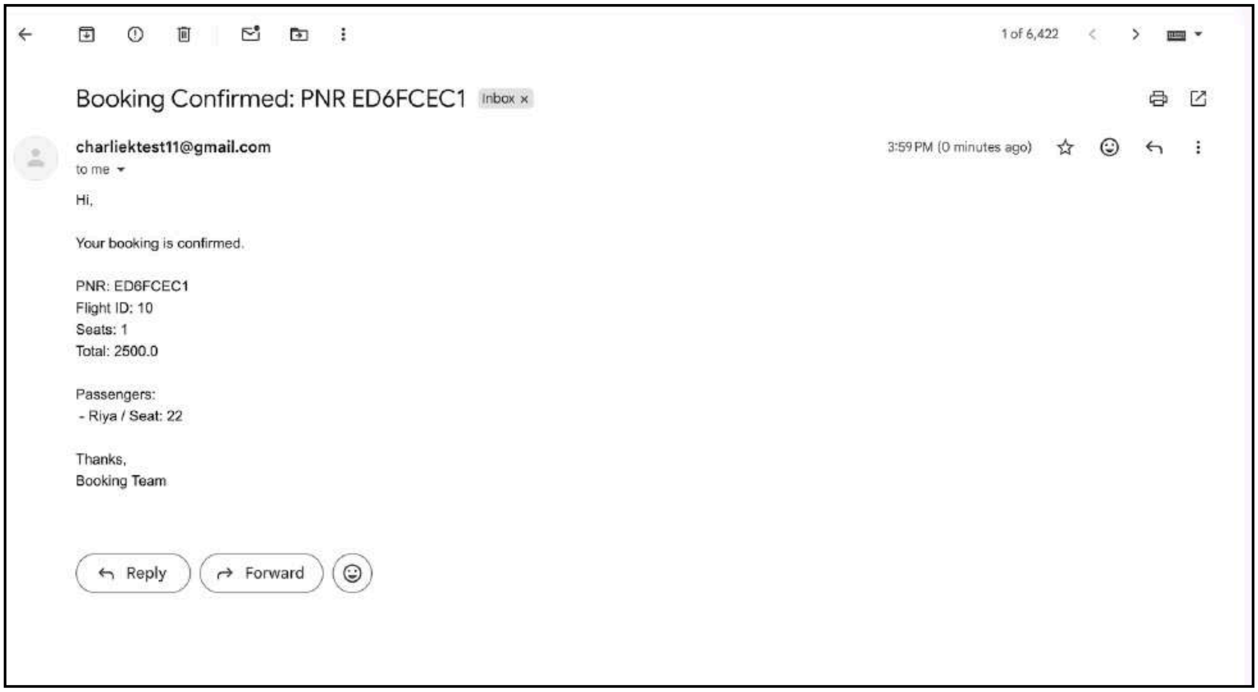


```
ananyaarisenapalli@Ananyas-MacBook-Pro-3 notification-service % java -jar target/notification-service-0.0.1-SNAPSHOT.jar


  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/

 :: Spring Boot ::                (v4.0.0)

2025-12-08T15:59:06.459+05:30  INFO 8601 --- [notification-service] [           main] c.n.NotificationServiceApplication       : Starting NotificationServiceApplication v0.0.1-SNAPSHOT using Java 21.0.1
 with PID 8601 (/Users/ananyaarisenapalli/workspace-spring-tools-for-eclipse-4.32.2.RELEASE/FlightBookingMicro/notification-service/target/notification-service-0.0.1-SNAPSHOT.jar started by ananyaarisen
apalli in /Users/ananyaarisenapalli/workspace-spring-tools-for-eclipse-4.32.2.RELEASE/FlightBookingMicro/notification-service)
2025-12-08T15:59:06.463+05:30  INFO 8601 --- [notification-service] [           main] c.n.NotificationServiceApplication       : No active profile set, falling back to 1 default profile: "default"
2025-12-08T15:59:07.142+05:30  INFO 8601 --- [notification-service] [           main] o.s.a.r.c.CachingConnectionFactory       : Attempting to connect to: [localhost:5672]
2025-12-08T15:59:07.190+05:30  INFO 8601 --- [notification-service] [           main] o.s.a.r.c.CachingConnectionFactory       : Created new connection: rabbitConnectionFactory#a50d709:0/SimpleConnectio
n@1e977098 [delegate=amqp://guest@127.0.0.1:5672/, localPort=62131]
2025-12-08T15:59:07.245+05:30  INFO 8601 --- [notification-service] [           main] c.n.NotificationServiceApplication       : Started NotificationServiceApplication in 1.015 seconds (process running
for 1.32)
Email sent to: ananyaarisenapalli@gmail.com
Email sent to: ananyaarisenapalli@gmail.com
```

Successful Booking Email-



```
2025-12-08T16:03:07.826+05:30  INFO 8833 --- [booking-service] [nio-8082-exec-5] c.bookingservice.service.BookingService  : Booking saved: pnr=5F64D1FA, flightId=10, user=ananyaarisenapalli@gmail.com
2025-12-08T16:03:07.839+05:30  INFO 8833 --- [booking-service] [nio-8082-exec-5] c.bookingservice.service.BookingService  : Published booking-created email for PNR 5F64D1FA
```



Booking Confirmed: PNR ED6FCEC1

charliektest11@gmail.com

to me

3:59 PM (0 minutes ago)

Hi,

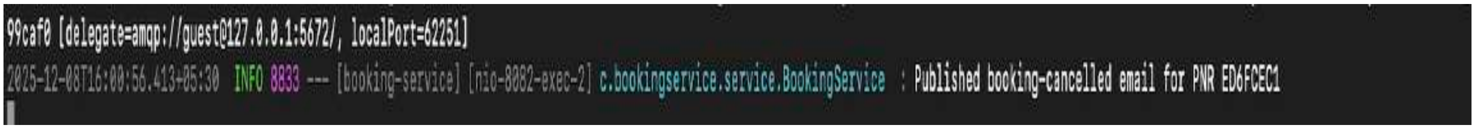
Your booking is confirmed.

PNR: ED6FCEC1
Flight ID: 10
Seats: 1
Total: 2500.0

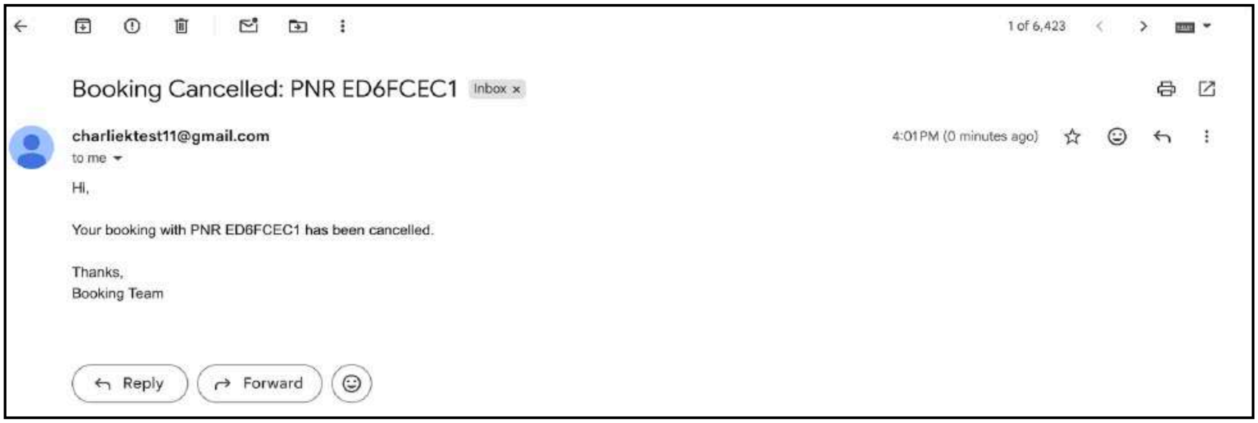
Passengers:
- Riya / Seat: 22

Thanks,
Booking Team

Successful Booking Cancel Email-



```
99caf0 [delegate=amqp://guest@127.0.0.1:5672/, localPort=62251]
2025-12-08T16:00:56.413+05:30  INFO 8833 --- [booking-service] [nio-8082-exec-2] c.bookingservice.service.BookingService  : Published booking-cancelled email for PNR ED6FCEC1
```



Booking Cancelled: PNR ED6FCEC1

charliektest11@gmail.com

to me

4:01 PM (0 minutes ago)

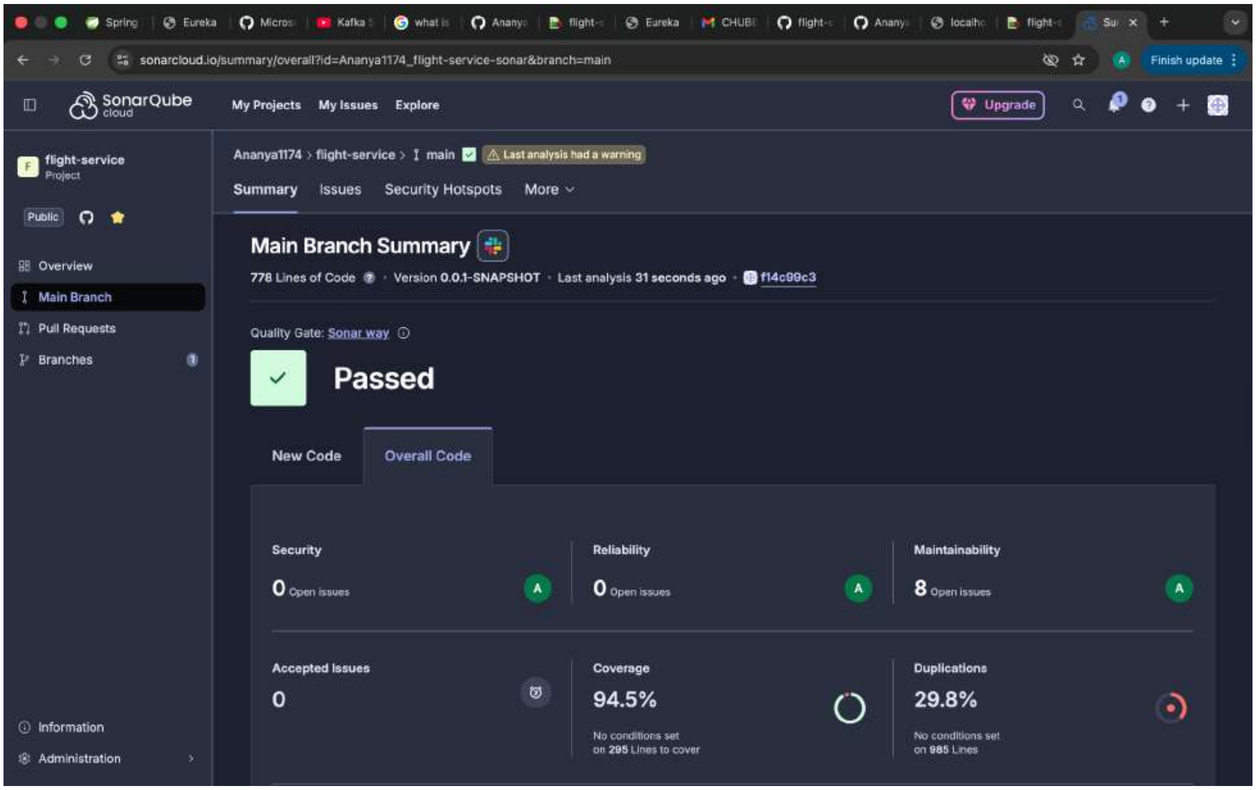
Hi,

Your booking with PNR ED6FCEC1 has been cancelled.

Thanks,
Booking Team

SonarQube:

Before:



Main Branch Summary

778 Lines of Code · Version 0.0.1-SNAPSHOT · Last analysis 31 seconds ago · f14c99c3

Quality Gate: Sonar way

Passed

Security: 0 Open issues — A

Reliability: 0 Open issues — A

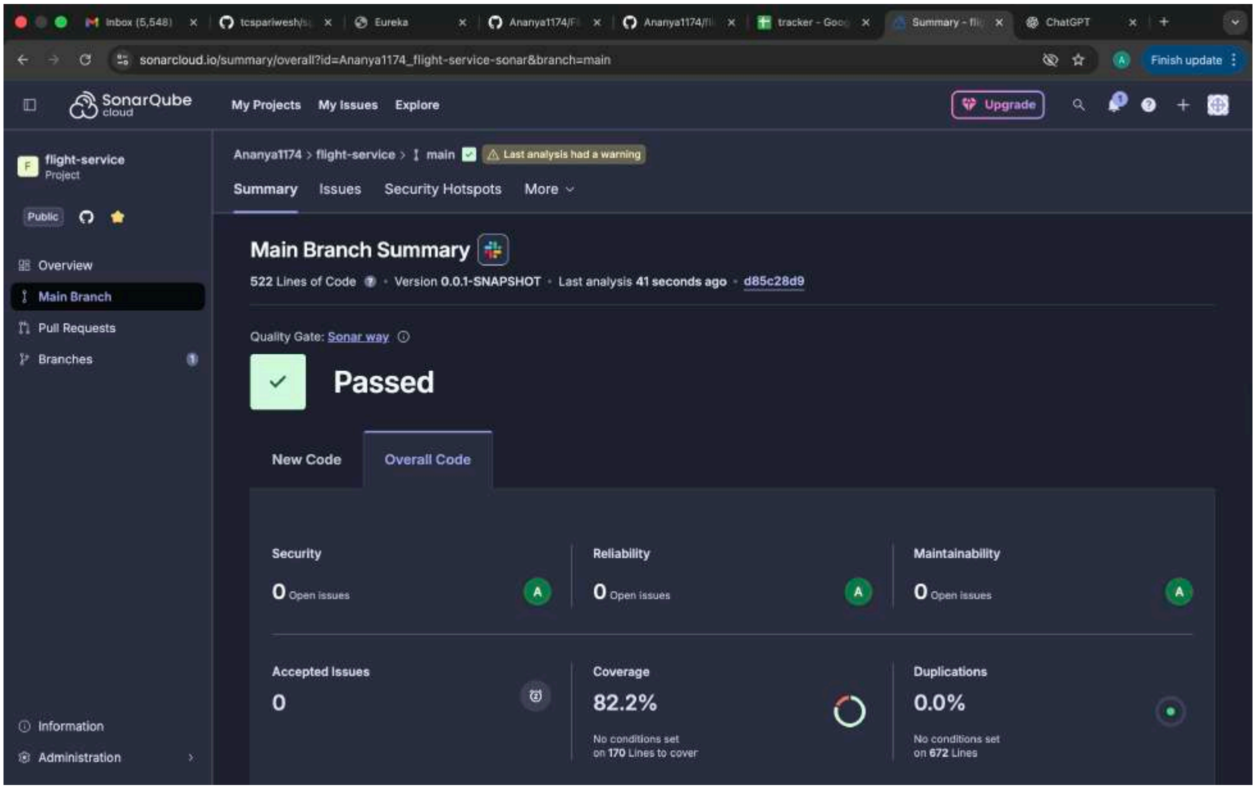
Maintainability: 8 Open issues — A

Accepted Issues: 0

Coverage: 94.5% — No conditions set on 295 Lines to cover

Duplications: 29.8% — No conditions set on 985 Lines

After:



Main Branch Summary

522 Lines of Code · Version 0.0.1-SNAPSHOT · Last analysis 41 seconds ago · d85c28d9

Quality Gate: Sonar way

Passed

Security: 0 Open issues — A

Reliability: 0 Open issues — A

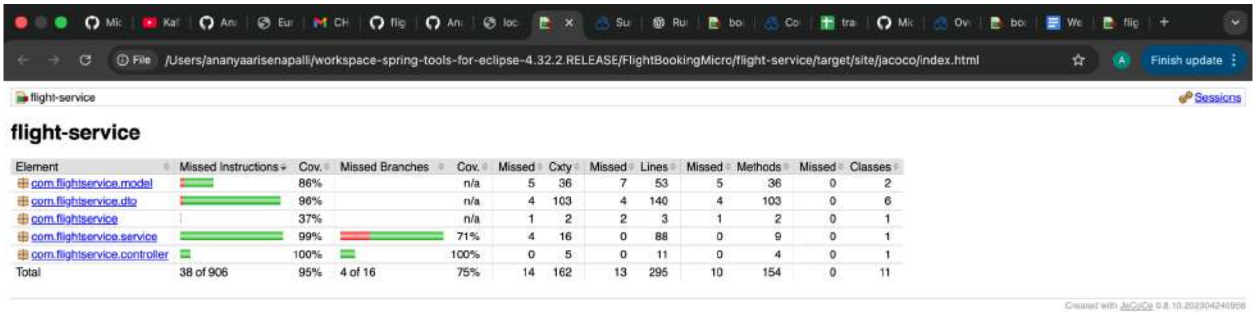
Maintainability: 0 Open issues — A

Accepted Issues: 0

Coverage: 82.2% — No conditions set on 170 Lines to cover

Duplications: 0.0% — No conditions set on 672 Lines

Jacoco:



/Users/ananyaarisenapalli/workspace-spring-tools-for-eclipse-4.32.2.RELEASE/FlightBookingMicro/flight-service/target/site/jacoco/index.html

flight-service

Sessions

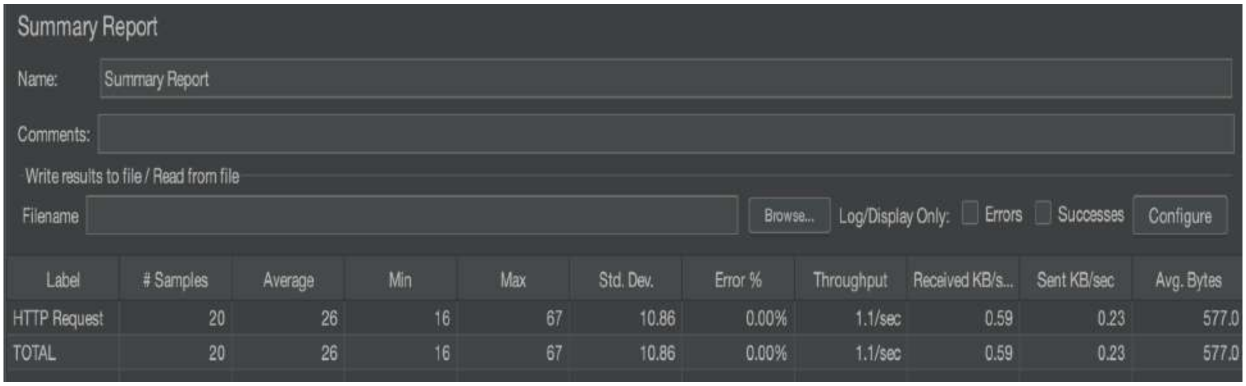
flight-service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.flightservice.model		86%		n/a	5	36	7	53	5	36	0	2
com.flightservice.dto		96%		n/a	4	103	4	140	4	103	0	6
com.flightservice		37%		n/a	1	2	2	3	1	2	0	1
com.flightservice.service		99%		71%	4	16	0	88	0	9	0	1
com.flightservice.controller		100%		100%	0	5	0	11	0	4	0	1
Total	38 of 906	95%	4 of 16	75%	14	162	13	295	10	154	0	11

Created with JaCoCo 0.8.10.202304240956

Jmeter:

20 requests:



Summary Report

Name: Summary Report

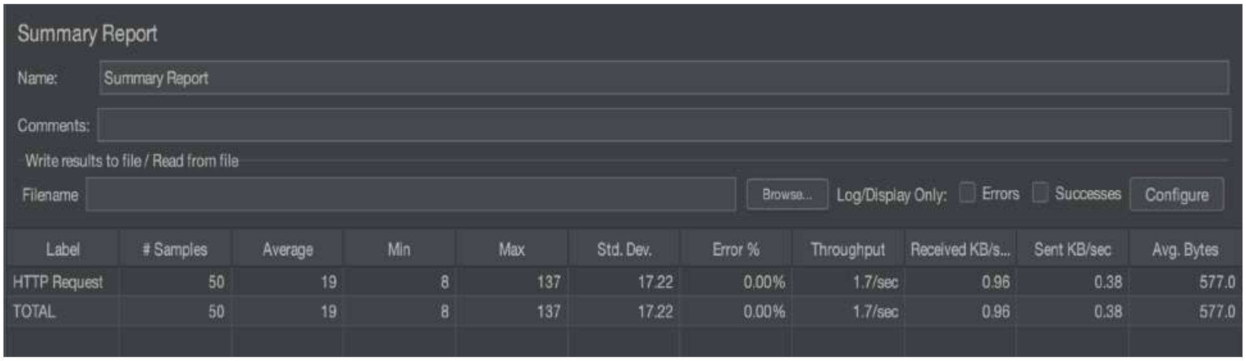
Comments:

Write results to file / Read from file

Filename

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	20	26	16	67	10.86	0.00%	1.1/sec	0.59	0.23	577.0
TOTAL	20	26	16	67	10.86	0.00%	1.1/sec	0.59	0.23	577.0

50 requests:



Summary Report

Name: Summary Report

Comments:

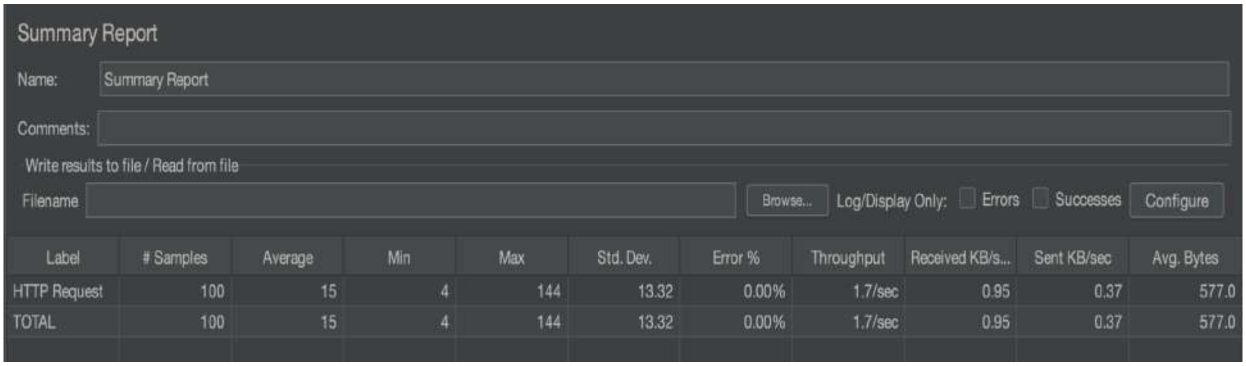
Write results to file / Read from file

Filename

Log/Display Only: □ Errors □ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	50	19	8	137	17.22	0.00%	1.7/sec	0.96	0.38	577.0
TOTAL	50	19	8	137	17.22	0.00%	1.7/sec	0.96	0.38	577.0

100 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/s...	Sent KB/sec	Avg. Bytes
HTTP Request	100	15	4	144	13.32	0.00%	1.7/sec	0.95	0.37	577.0
TOTAL	100	15	4	144	13.32	0.00%	1.7/sec	0.95	0.37	577.0