CHUBB®

WEEK-7 ASSIGNMENT

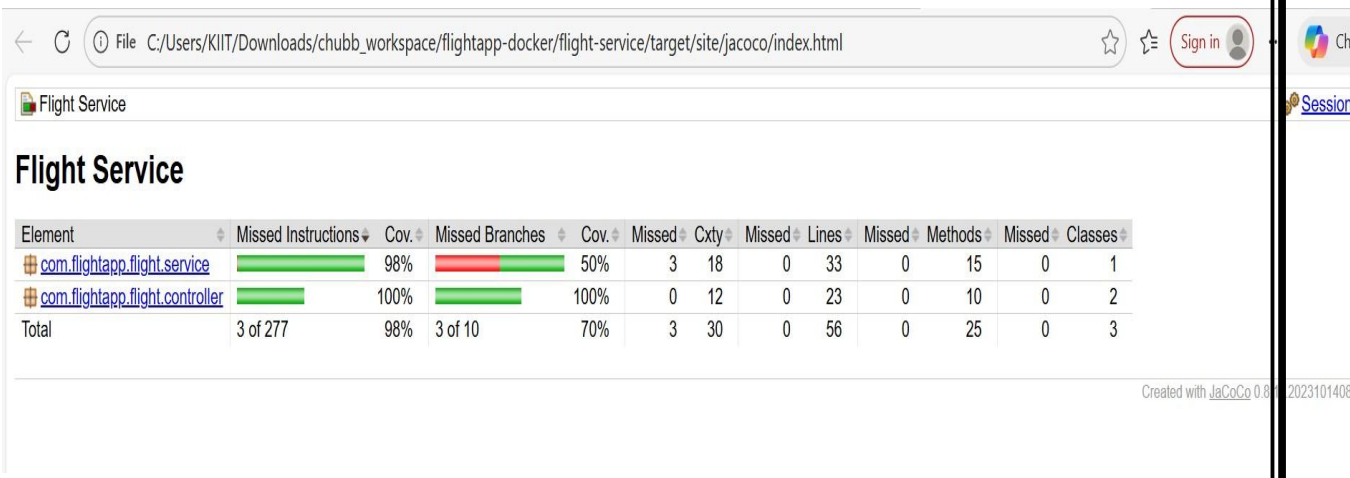
-Riddhima Bhanja
Kalinga Institute of Industrial Technology
Bhubaneswar(Java Track)

INDEX

JACOCO REPORTS

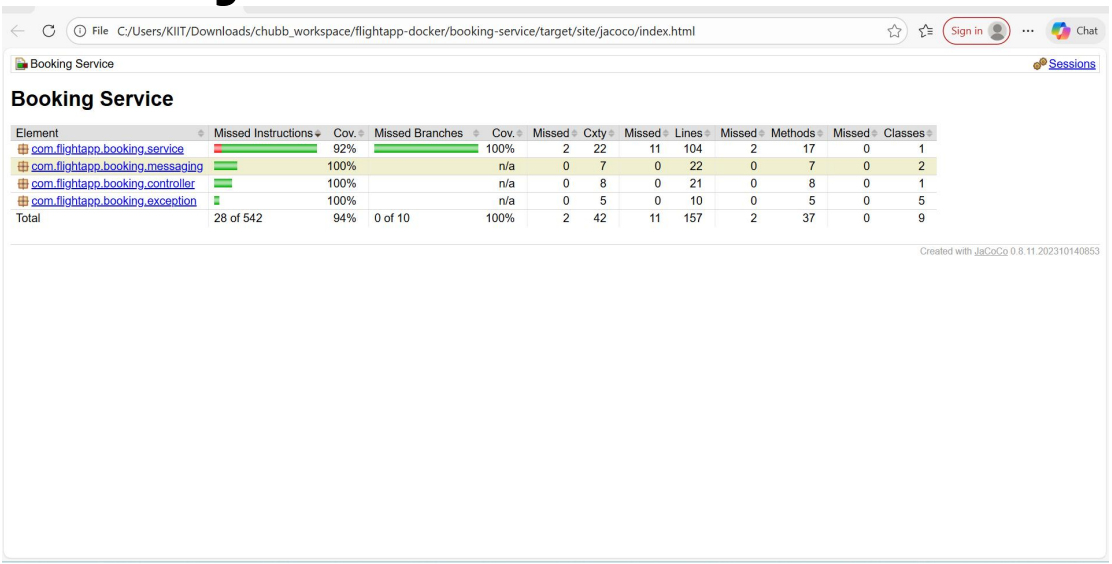
FLIGHT SERVICE:

98% COVERAGE

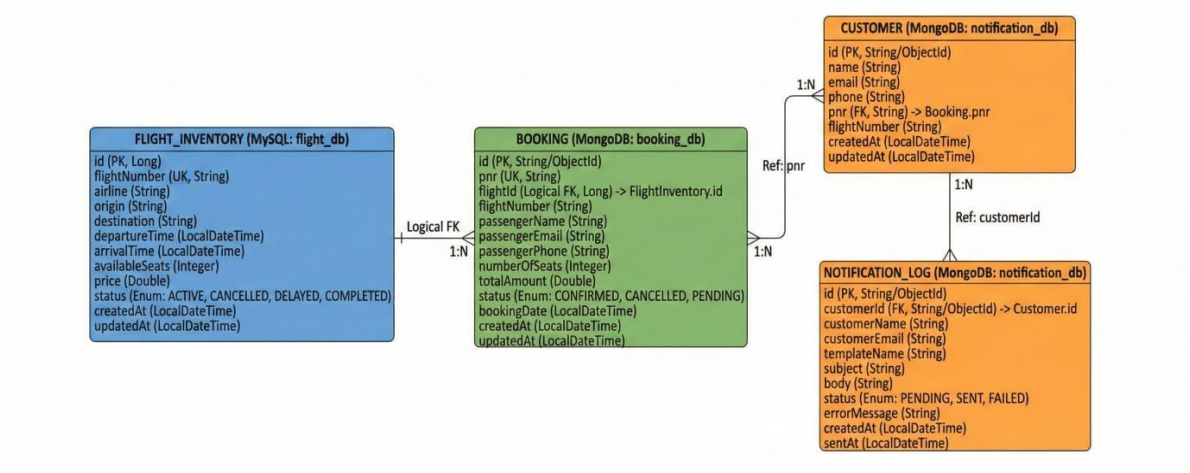


BOOKING SERVICE

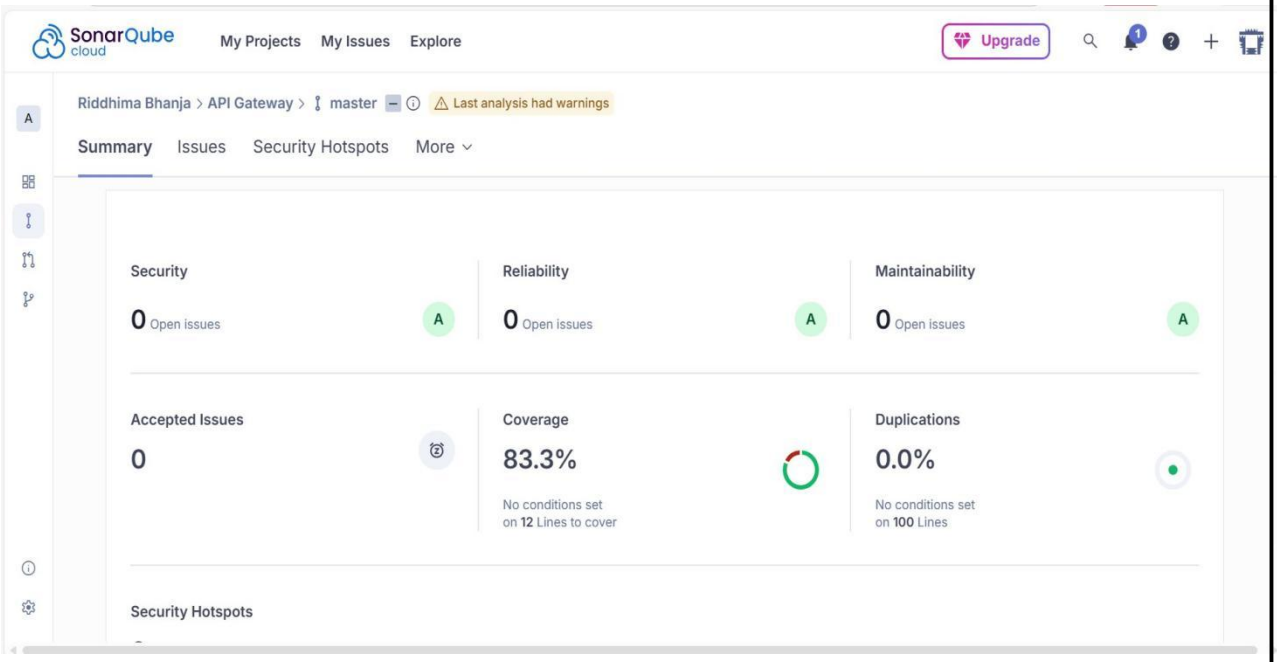
94% coverage



ER DIAGRAM

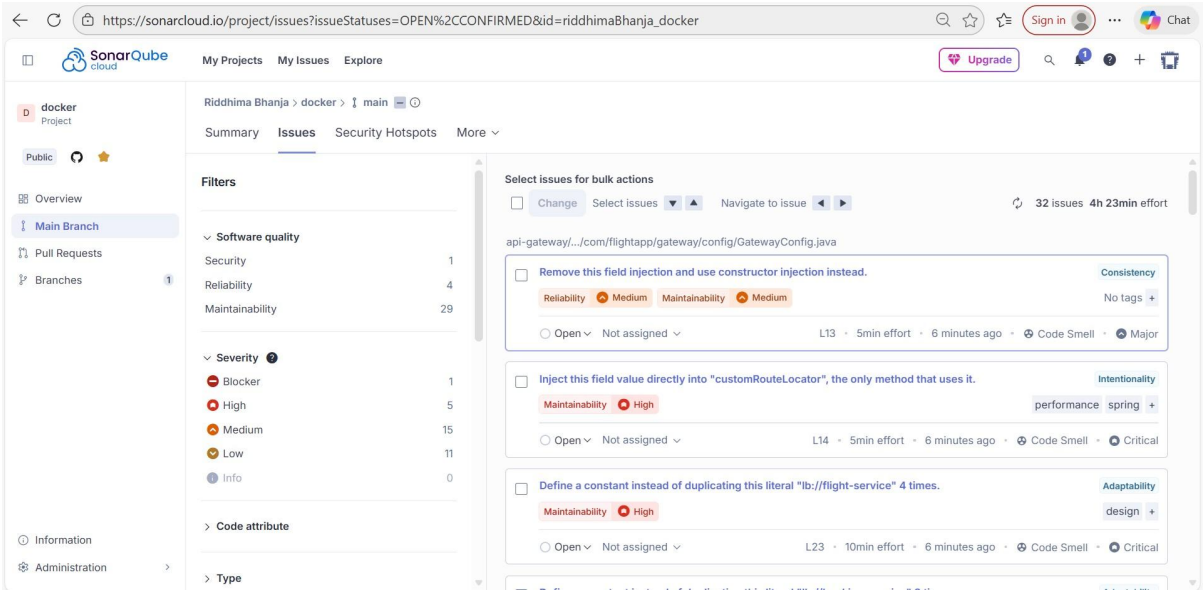


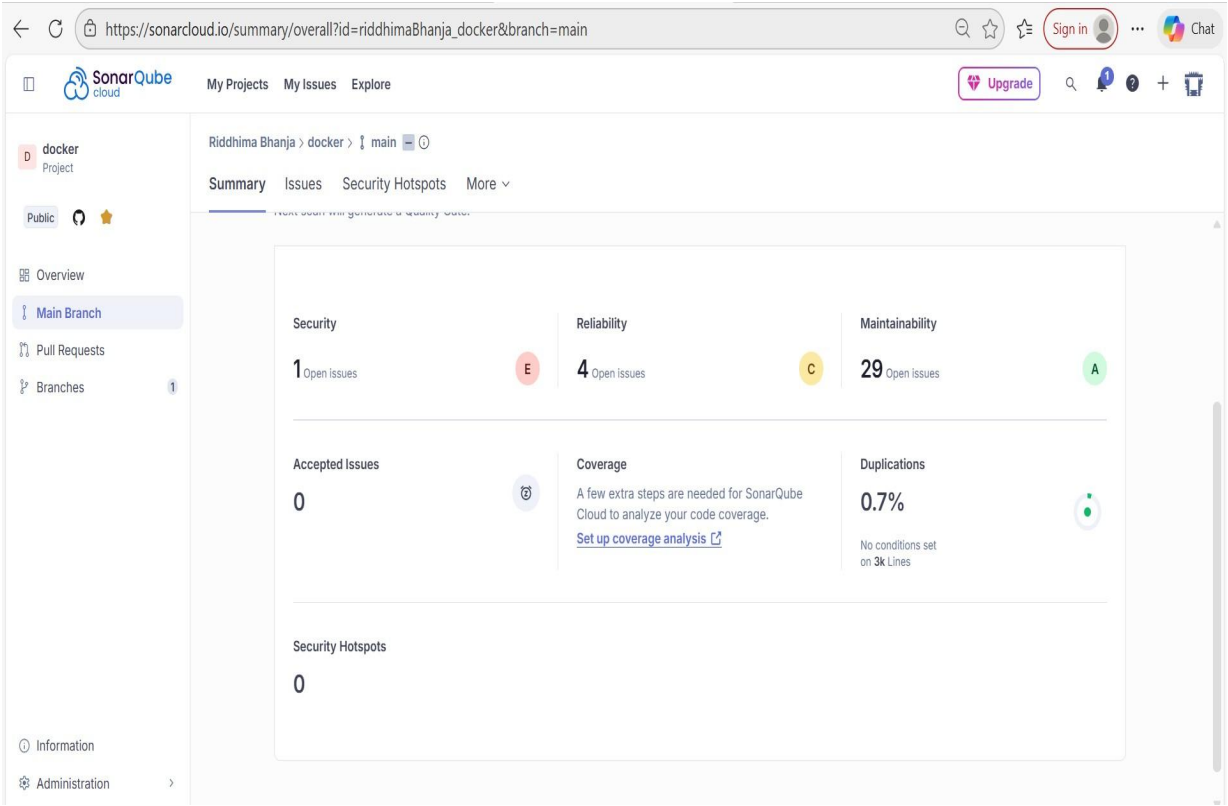
1. SonarQUBE Code Coverage



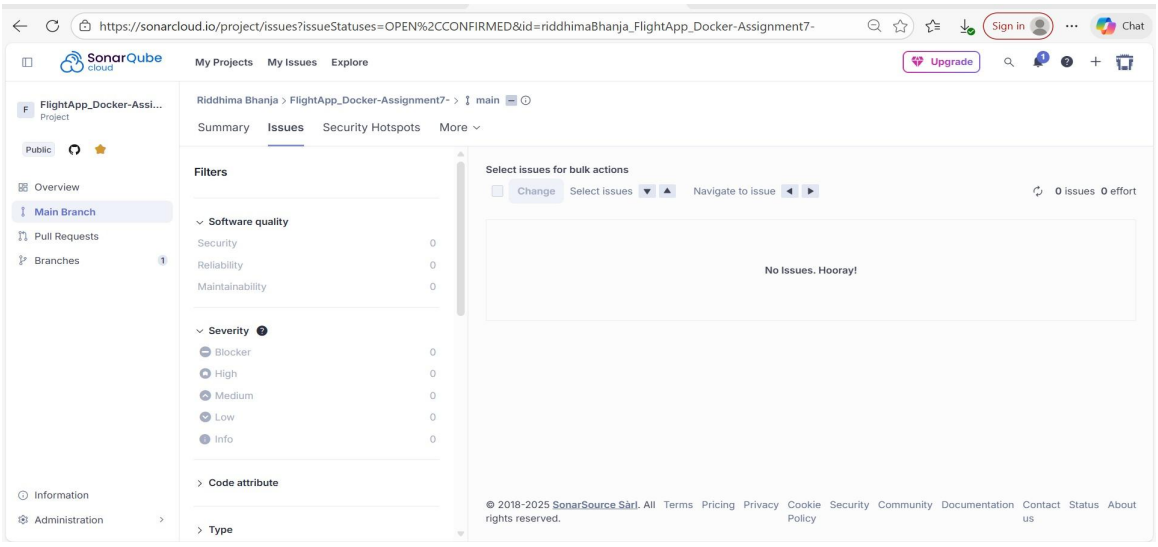
2. SonarQube Issues

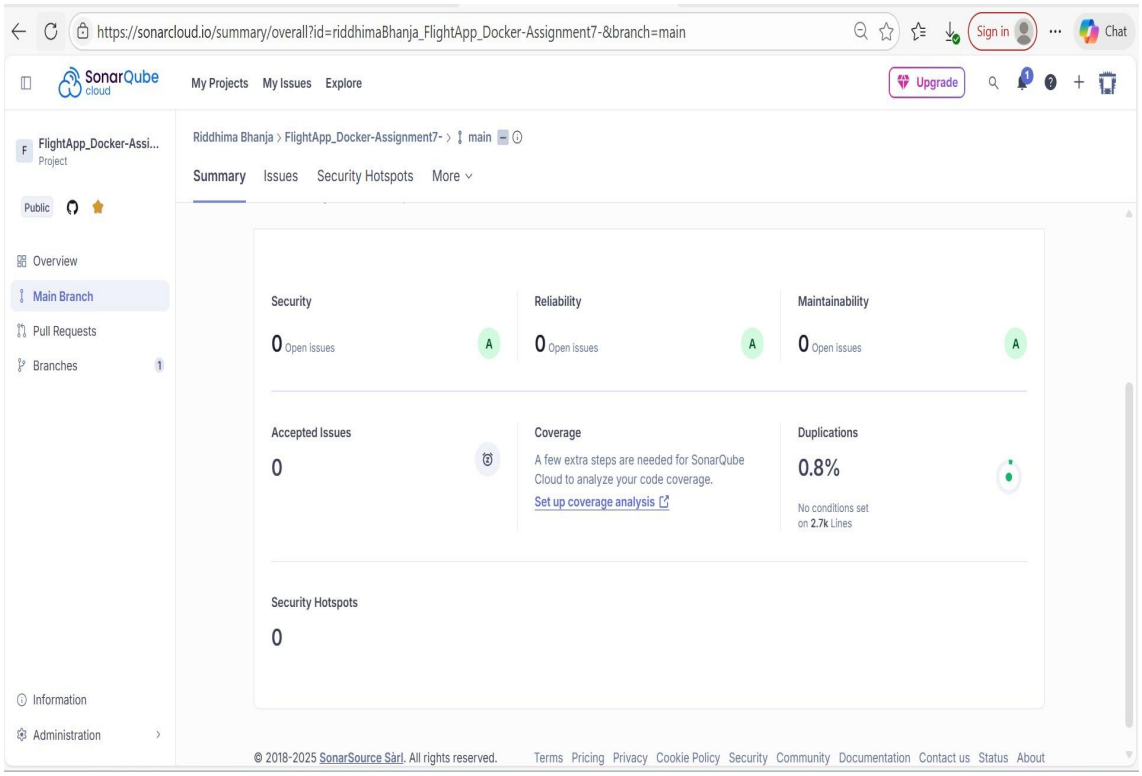
Before fixing:



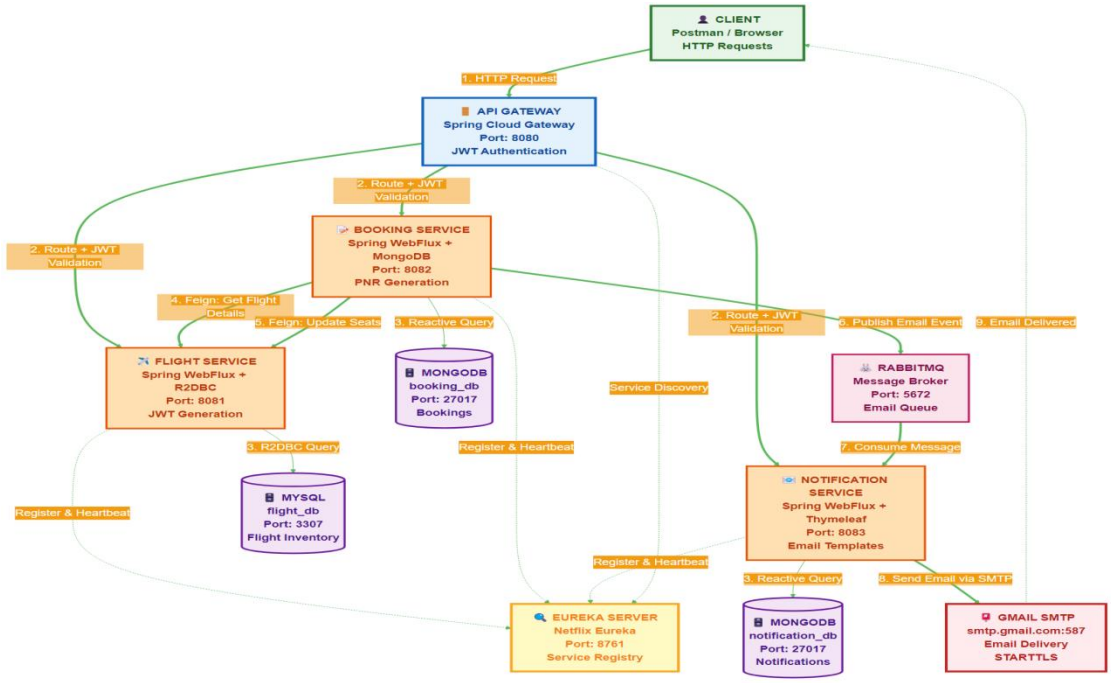


After fixing:





3. System Architecture



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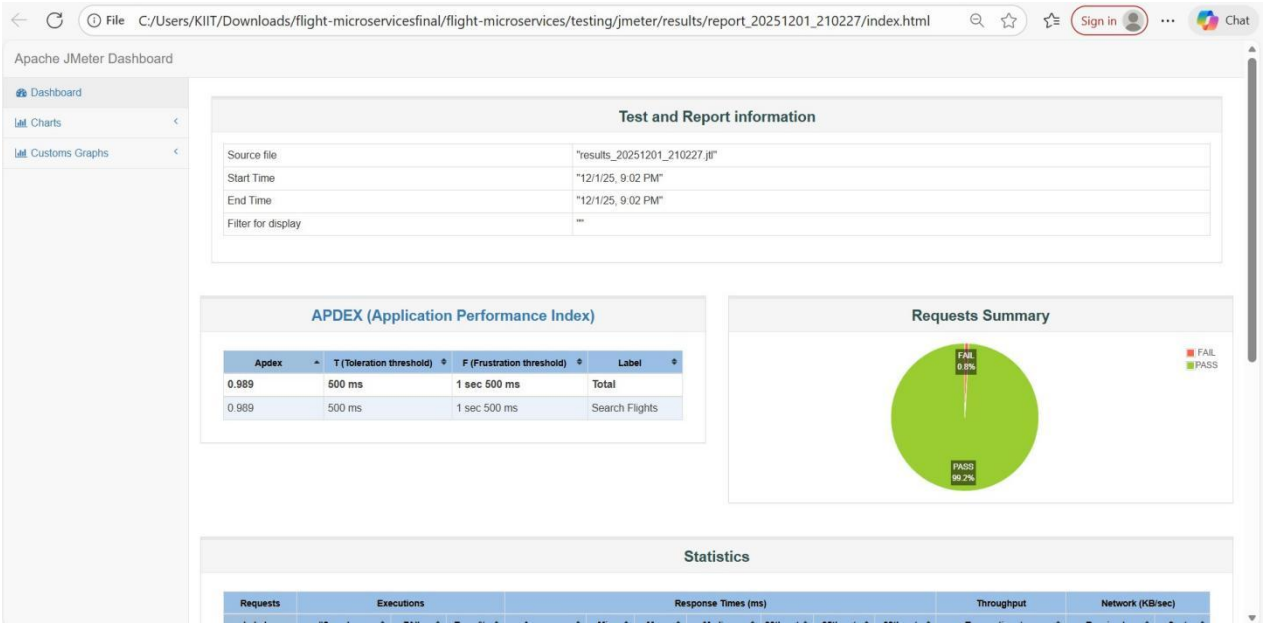
4. Jmeter

- Apache Jmeter Dashboard



Statistics

Requests	Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	500	4	0.80%	46.39	9	1264	16.00	88.90	127.85	989.02	50.97	22.16	13.59
Search Flights	500	4	0.80%	46.39	9	1264	16.00	88.90	127.85	989.02	50.97	22.16	13.59

Errors

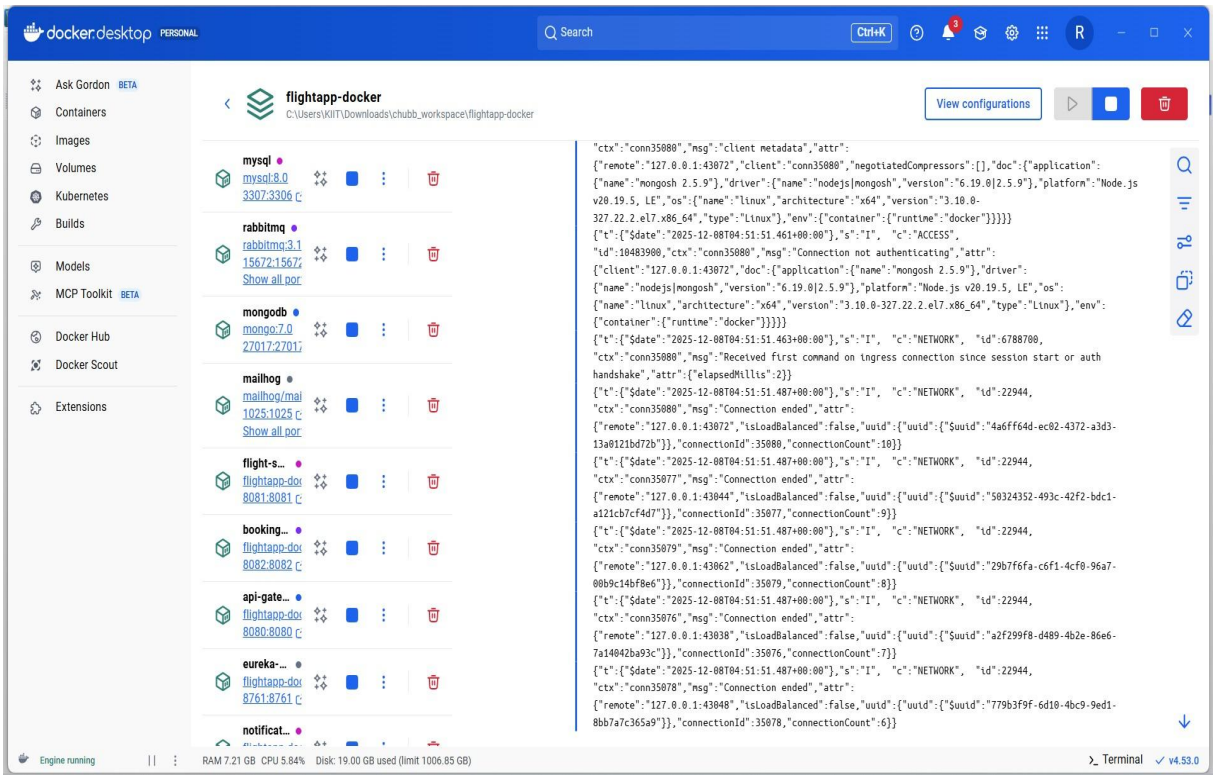
Type of error	Number of errors	% in errors	% in all samples
405/Method Not Allowed	4	100.00%	0.80%

Top 5 Errors by sampler

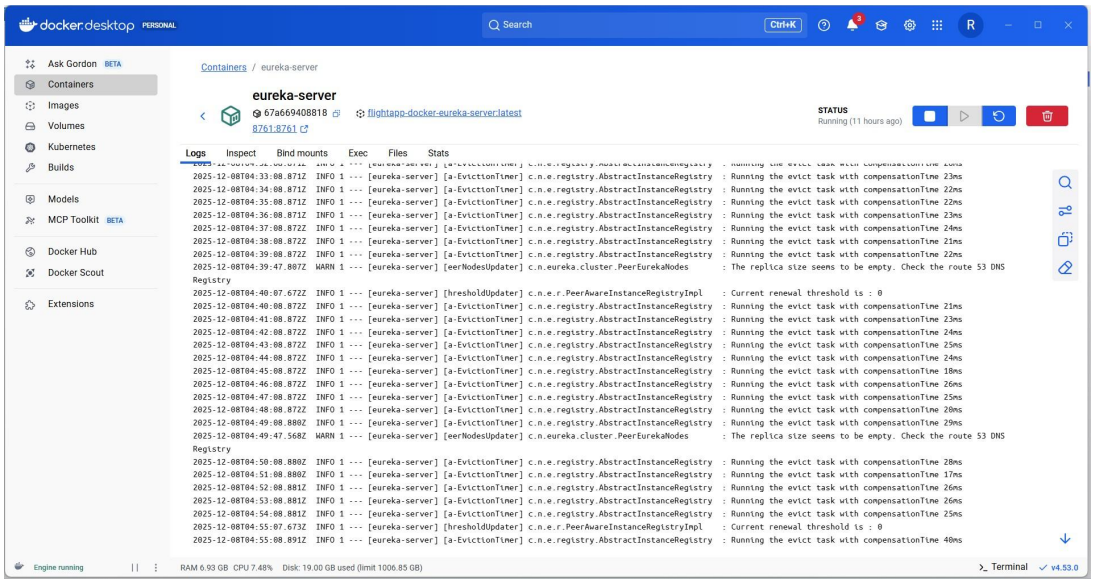
Sample	#Samples	#Errors	Error	#Errors	Error	#Errors	Error	#Errors	Error	#Errors	Error	#Errors
Total	500	4	405/Method Not Allowed	4								
Search Flights	500	4	405/Method Not Allowed	4								

LOGS SCREENSHOTS

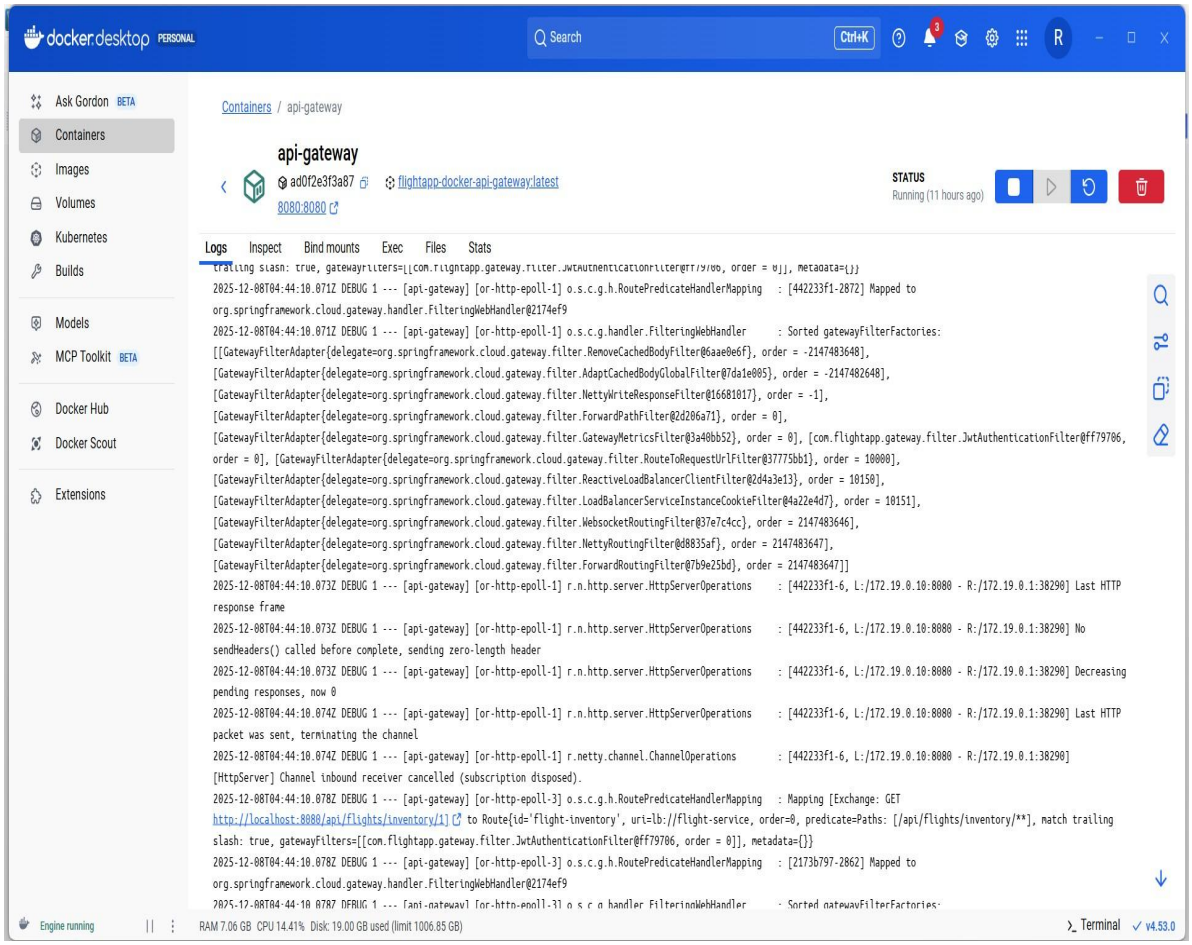
DASHBOARD



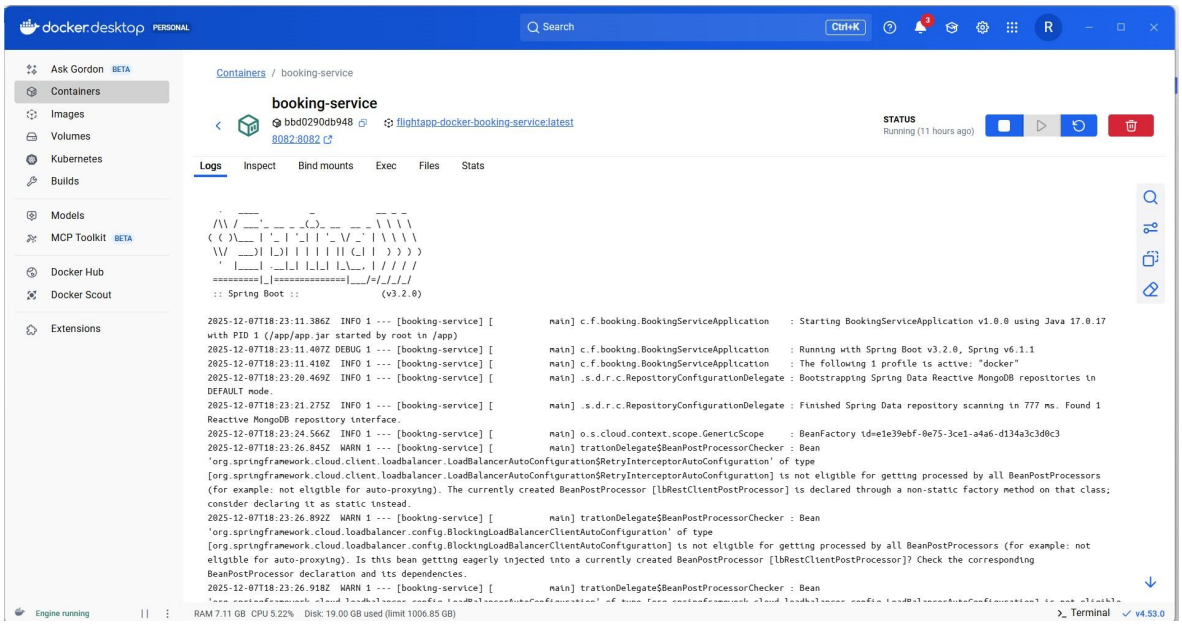
EUREKA SERVER LOGS



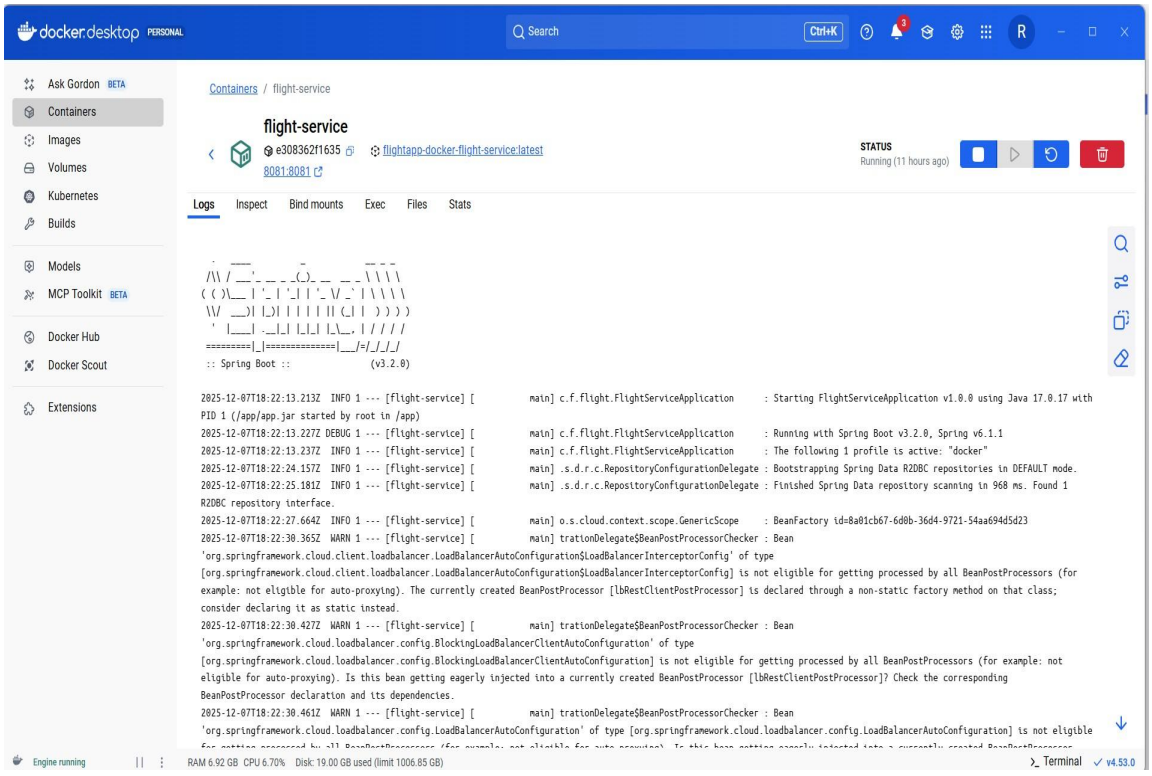
API GATEWAY



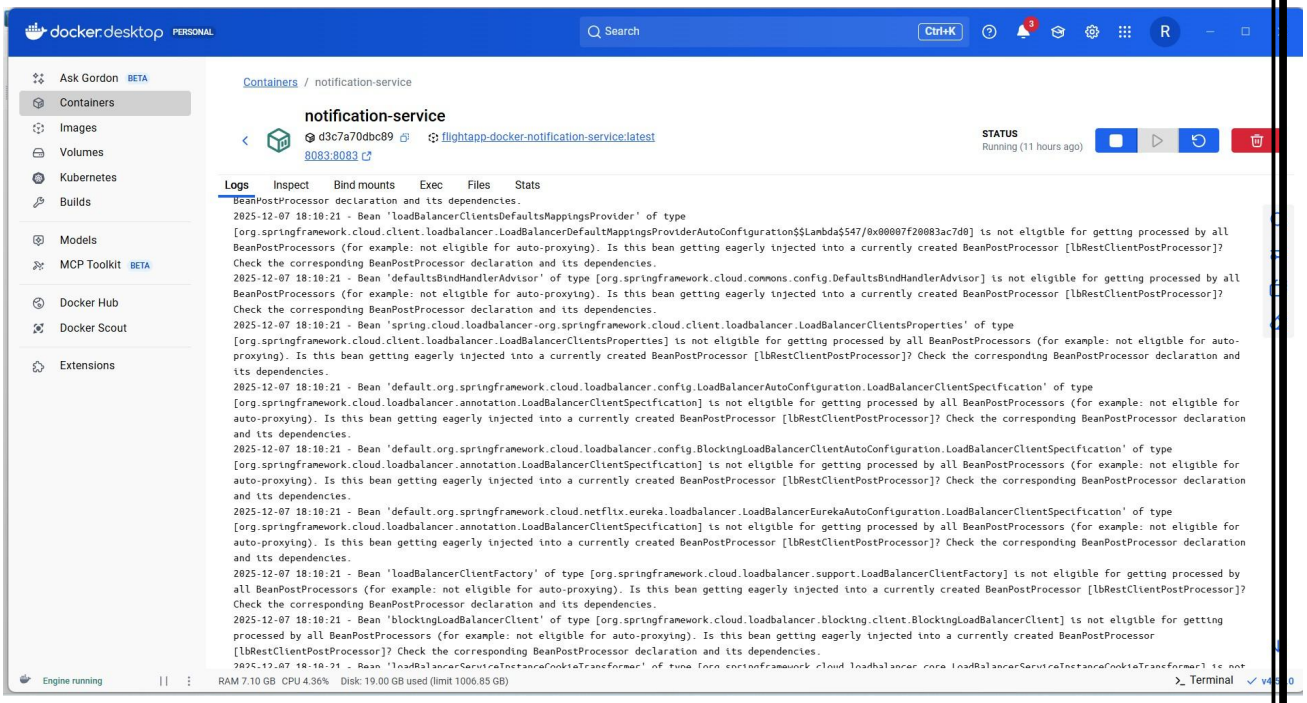
BOOKING SERVICE LOGS



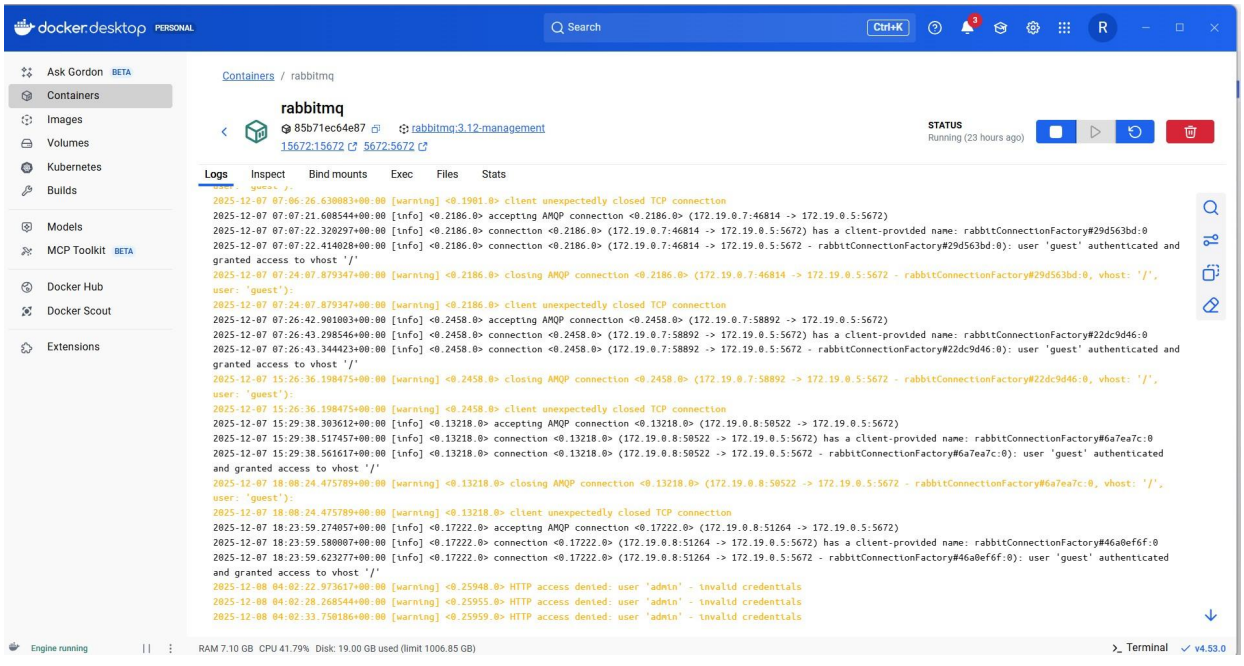
FLIGHT SERVICE LOGS



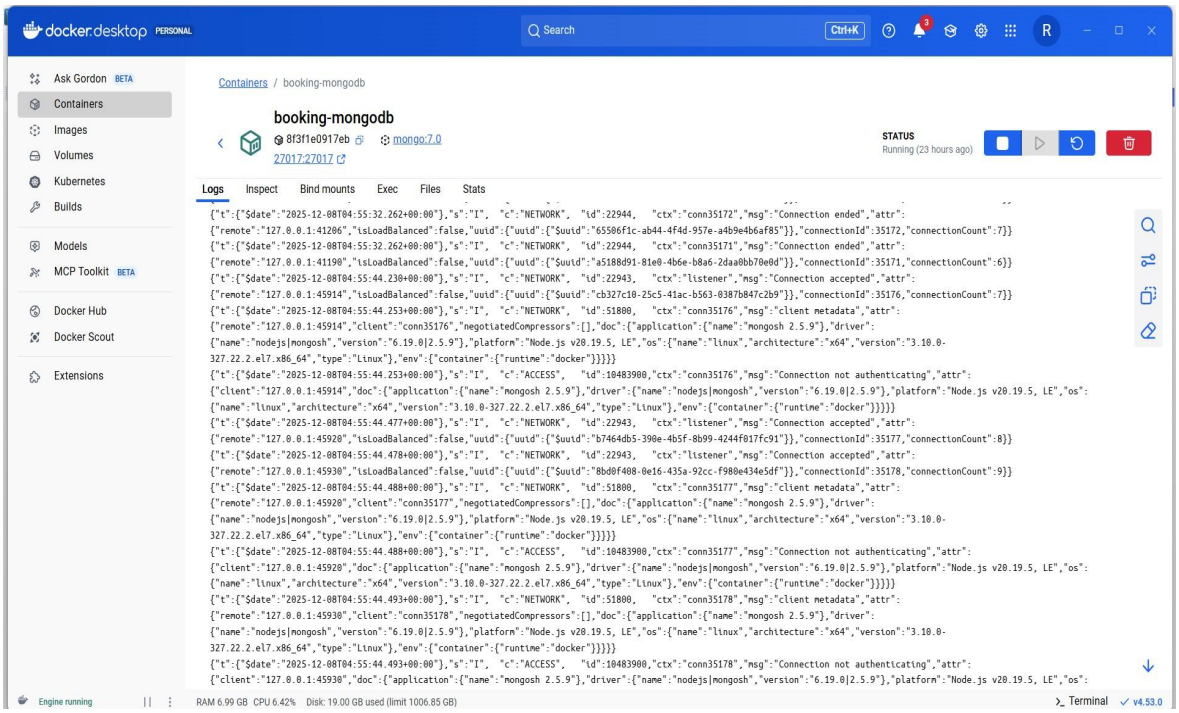
NOTIFICATION SERVICE LOGS



RabbitMQ logs

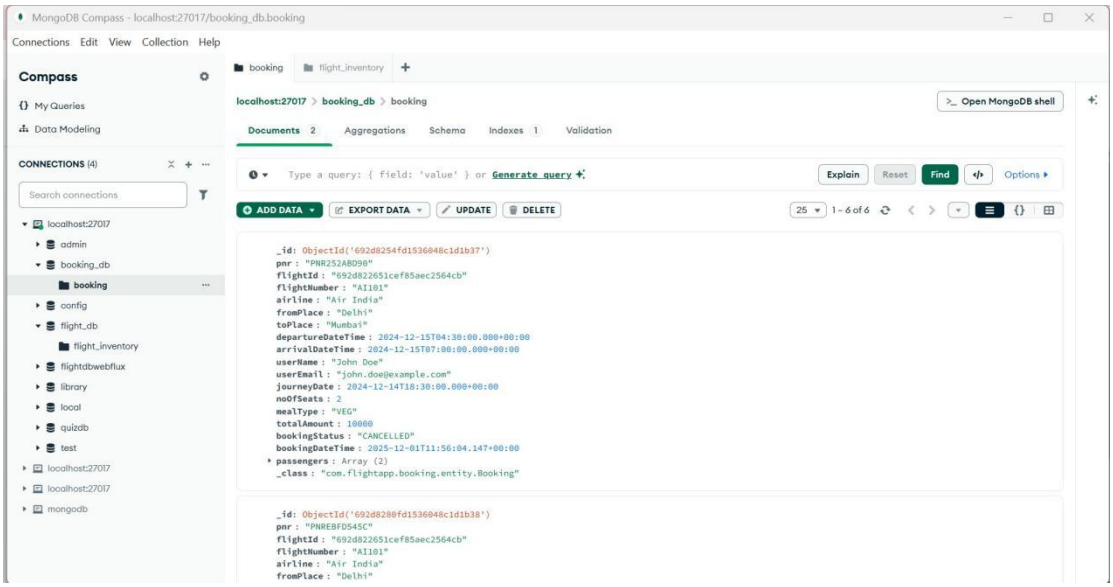


Mongodb logs

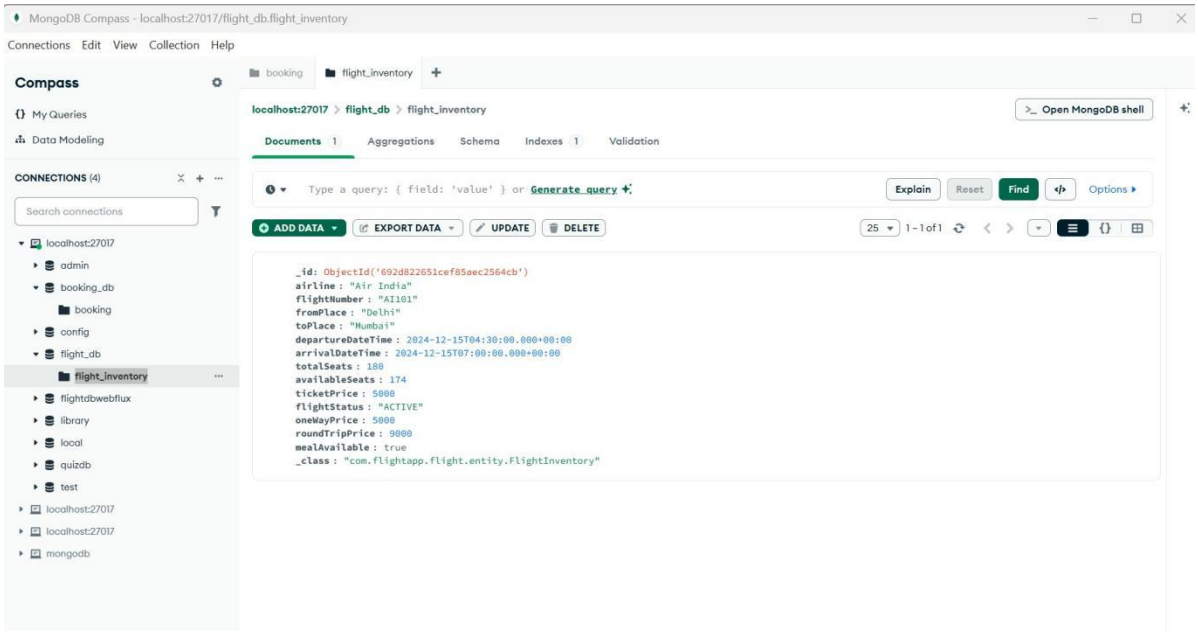


5.Mongodb screenshots

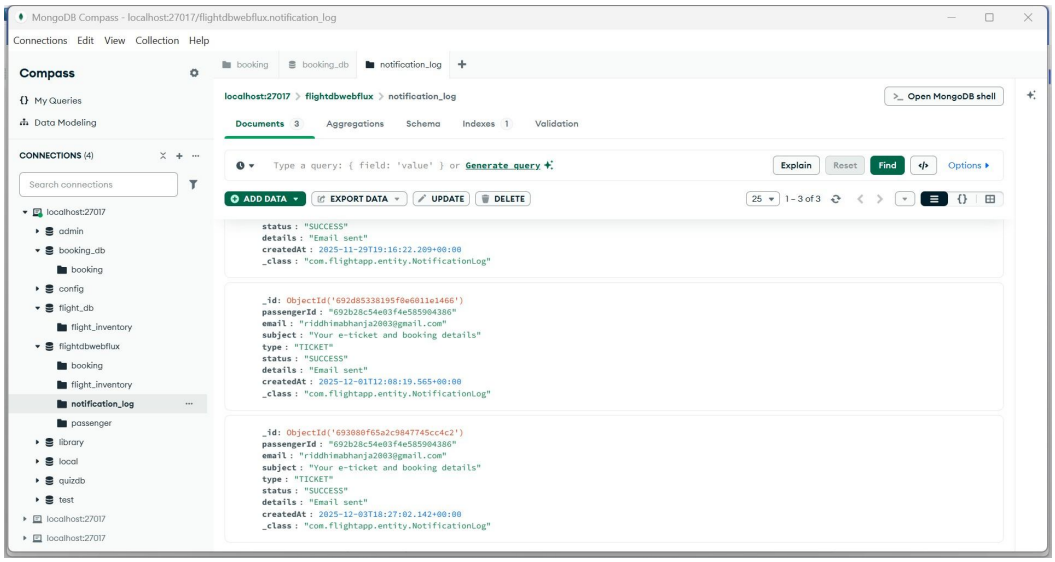
- Booking_db



- Flight_db

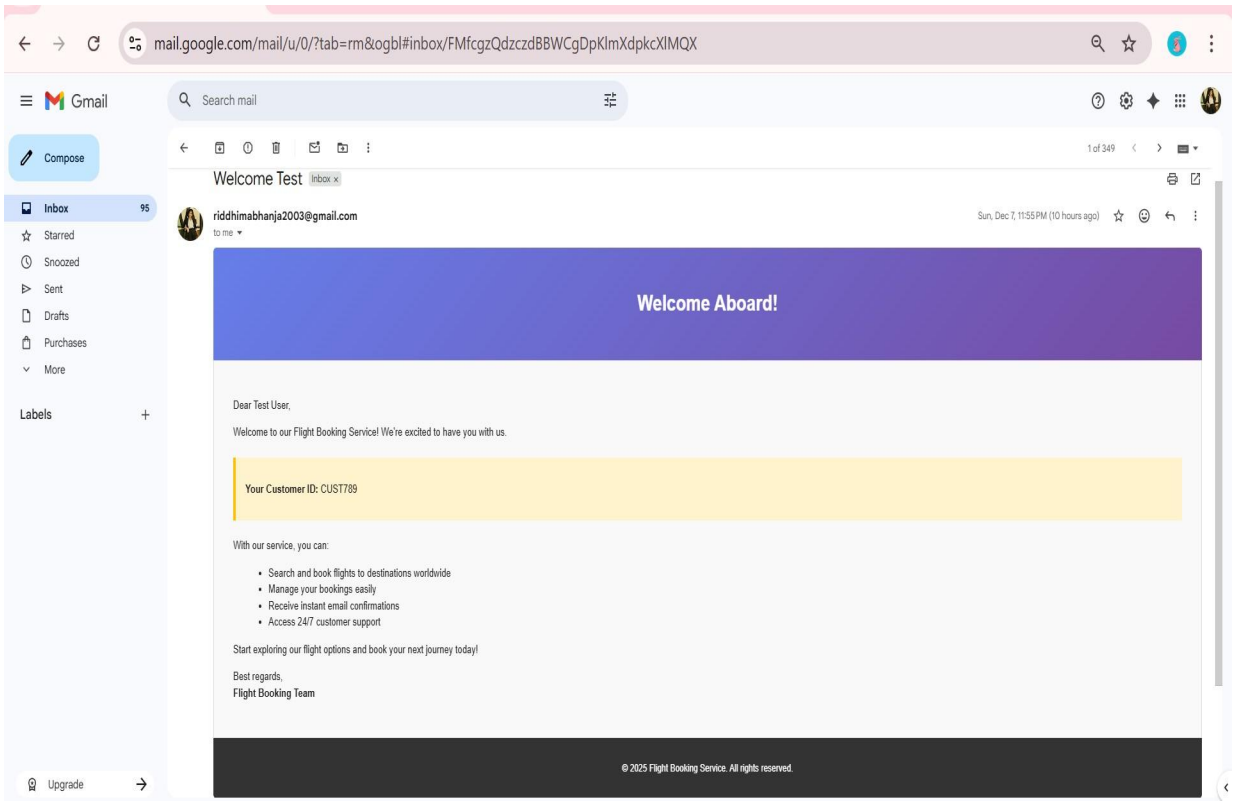


- Notification_logs

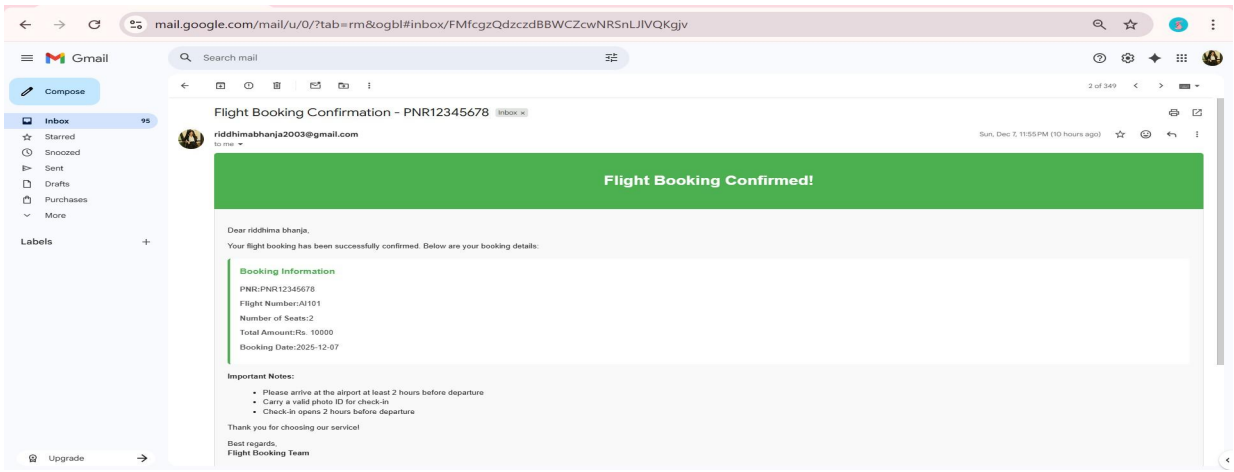


5. Email

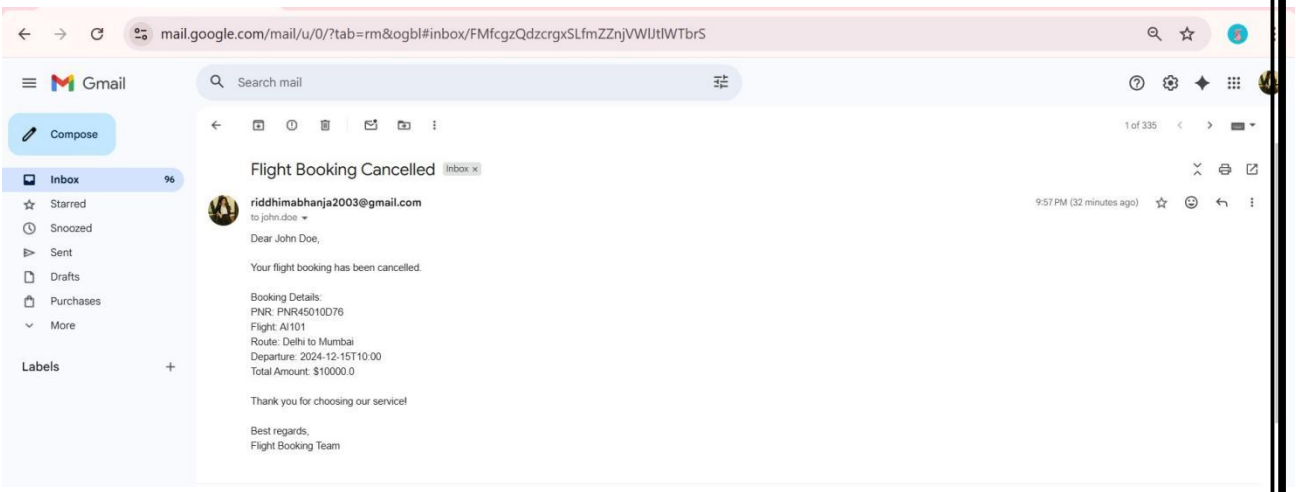
- Welcome Email



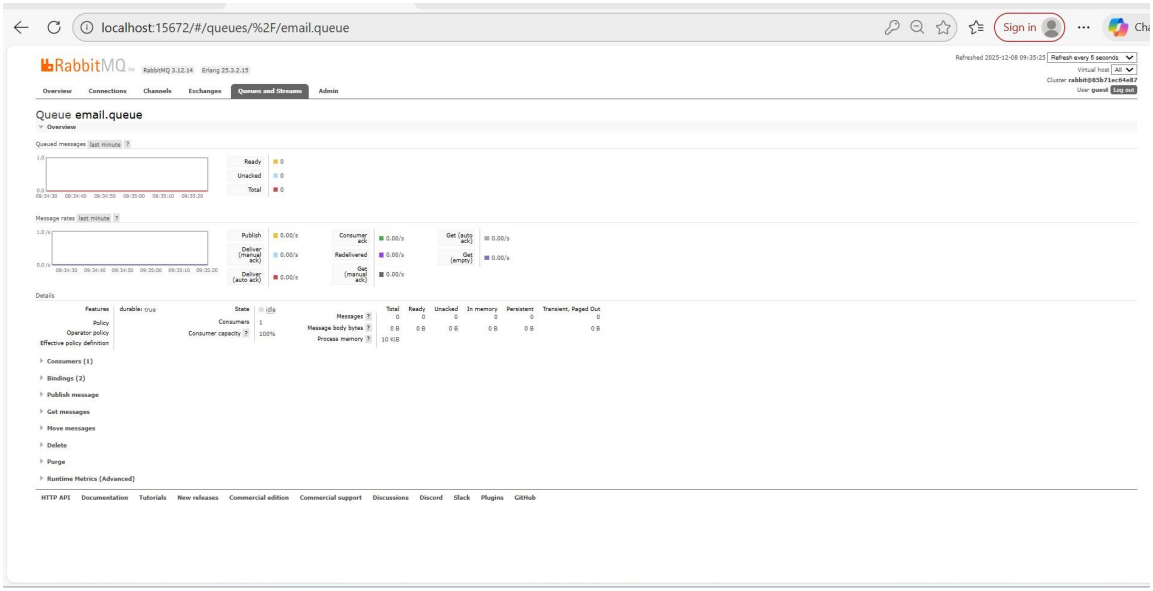
- Confirm Booking Email



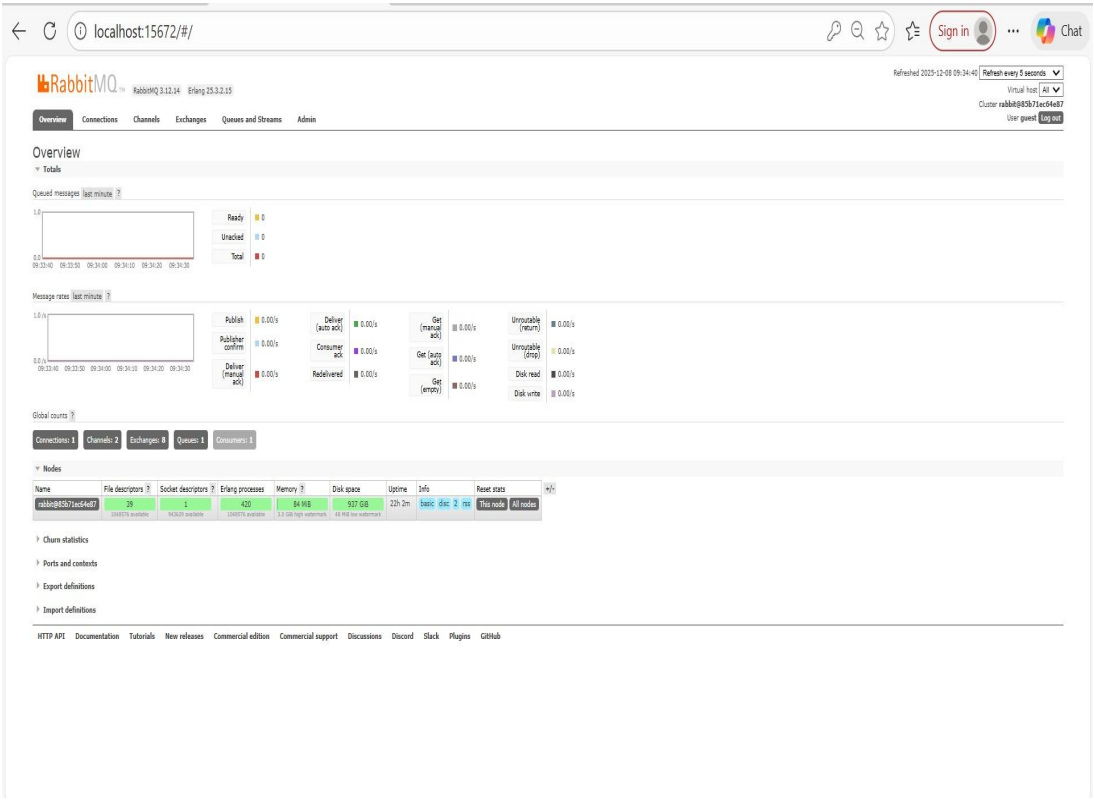
- Flight cancel email



RabbitMQ email-queue dashboard

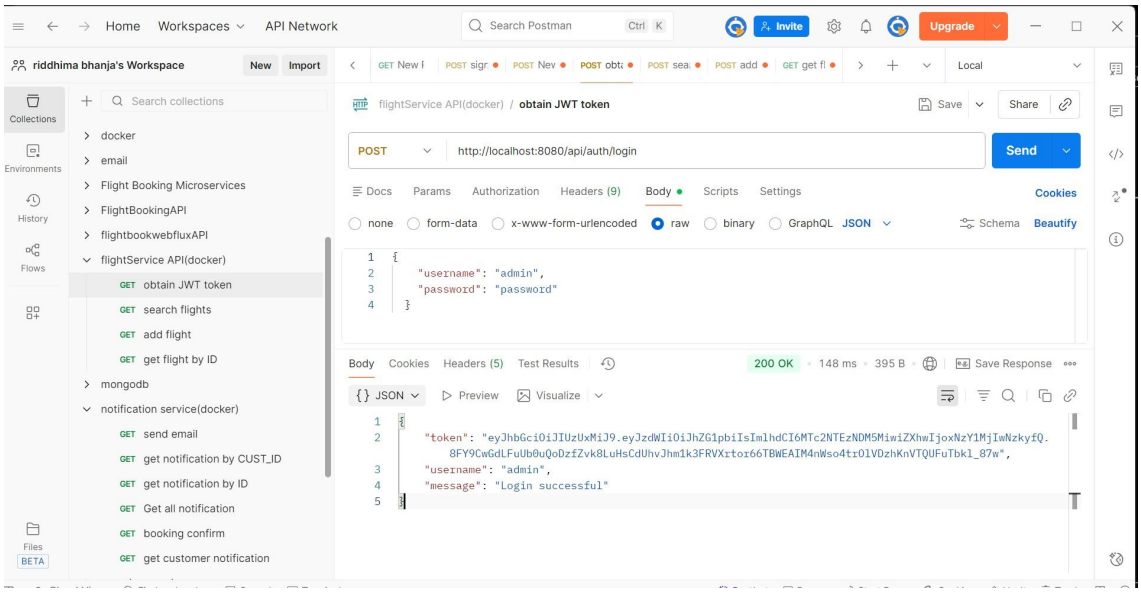


RabbitMQ overview dashboard

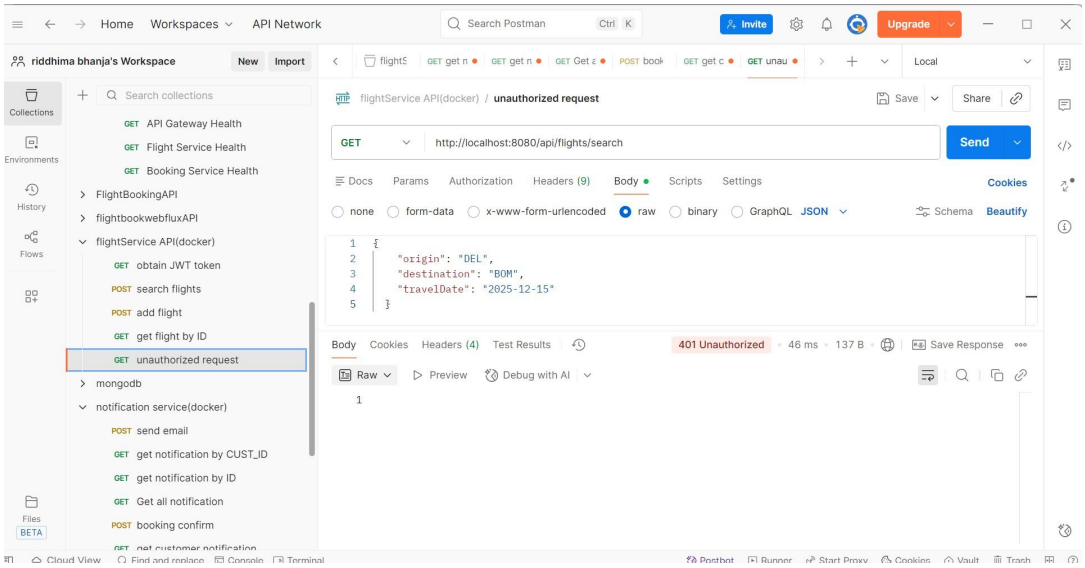


6. Postman screenshots

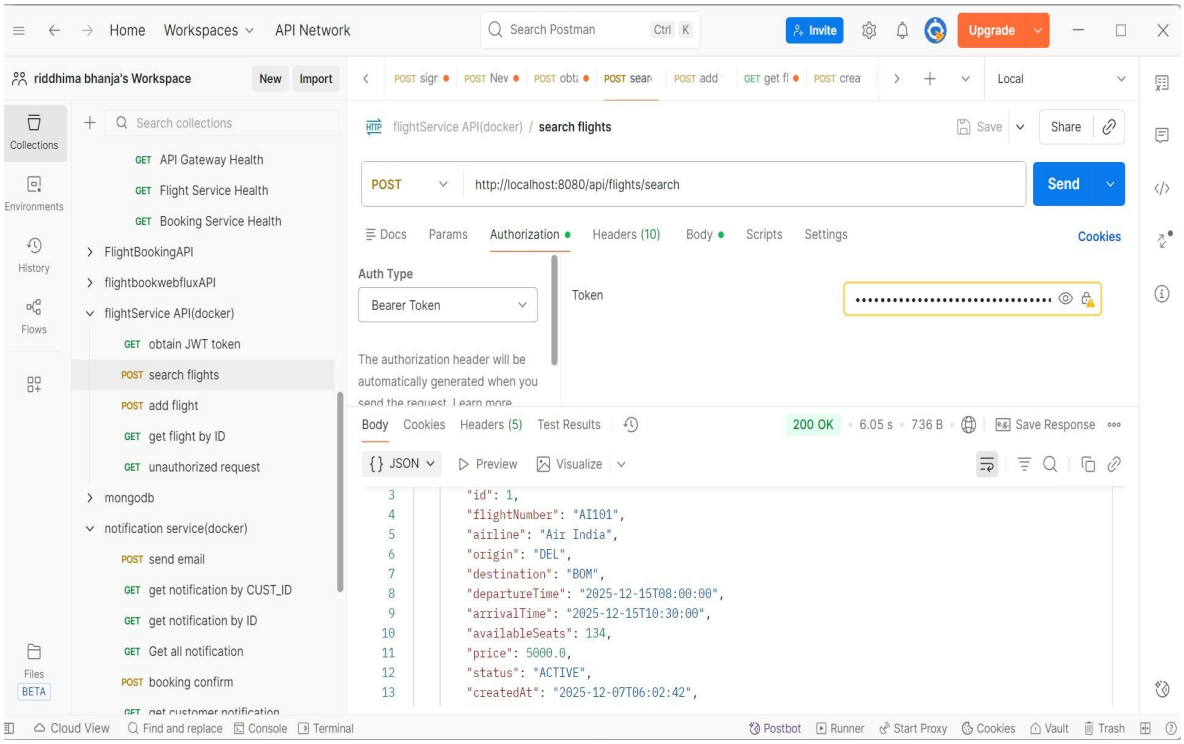
Obtain JWT TOKEN



Unauthorized access

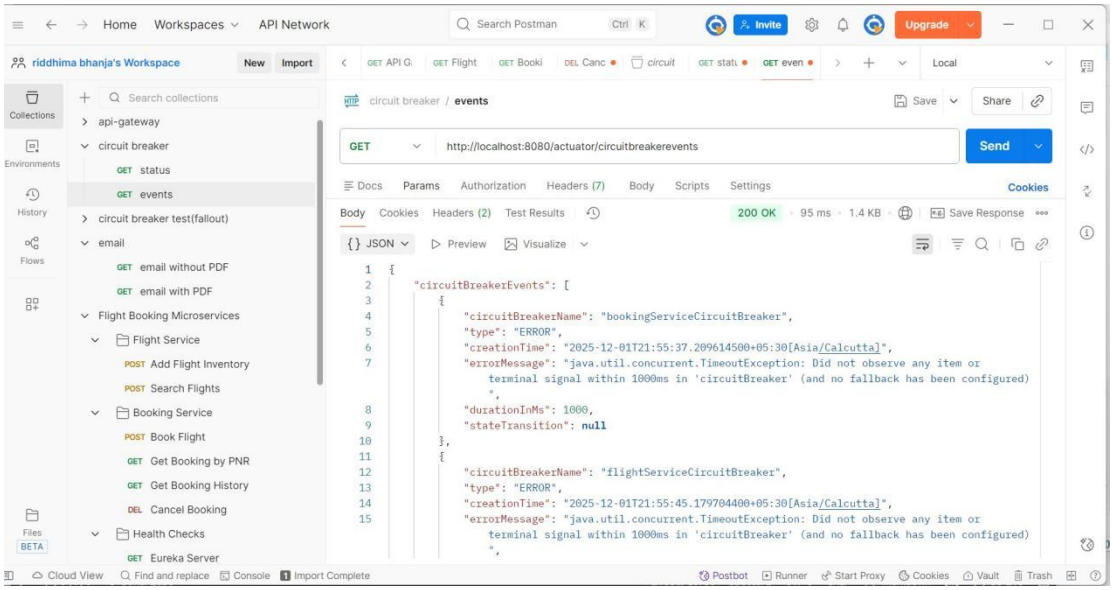


Same endpoint with auth bearer token

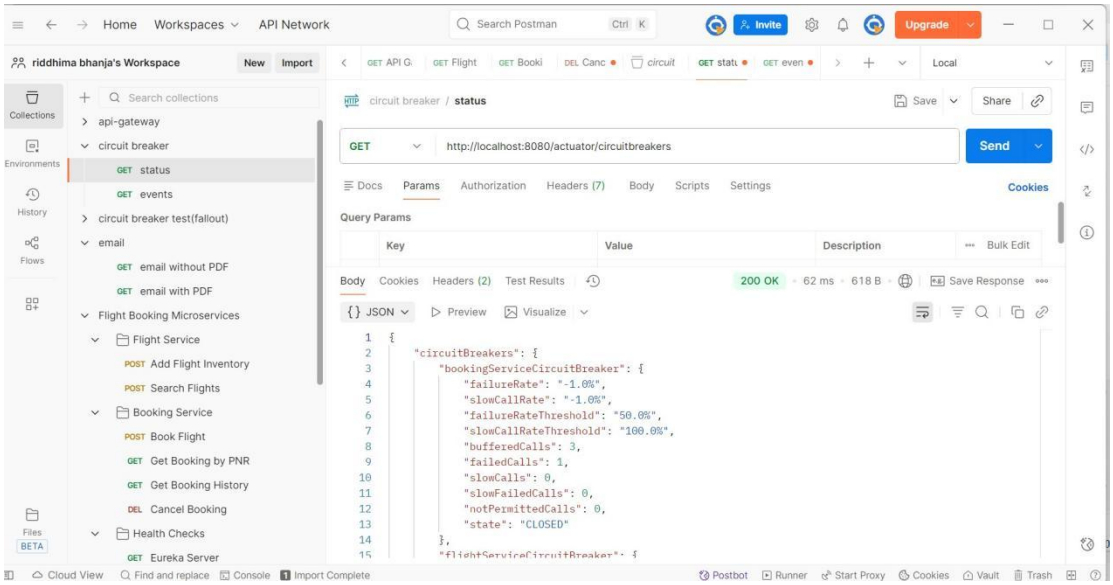


- **Circuit Breaker**

Events:

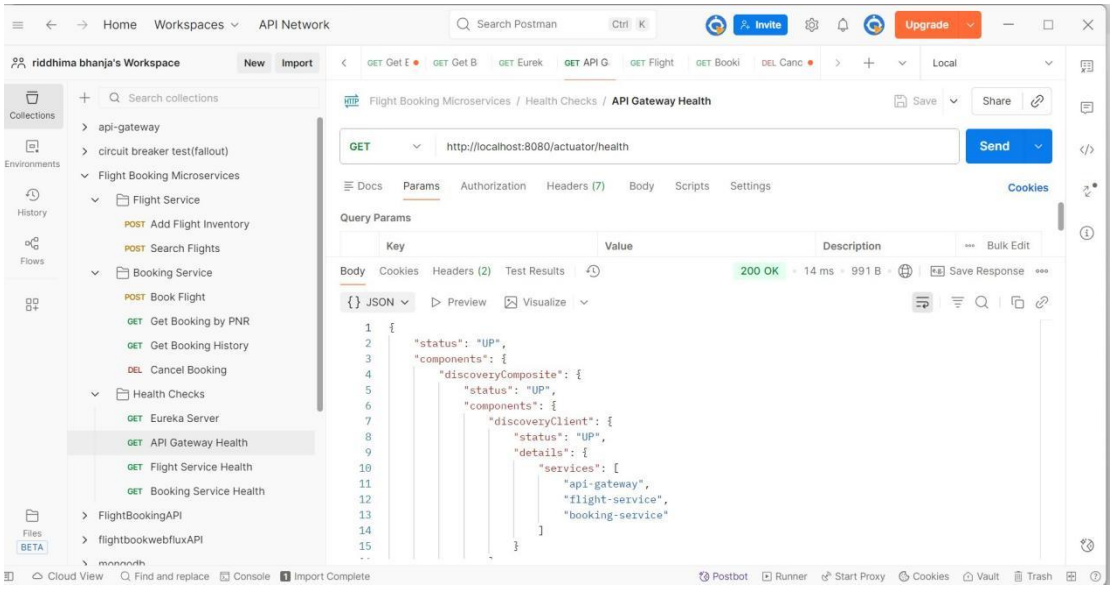


Status:

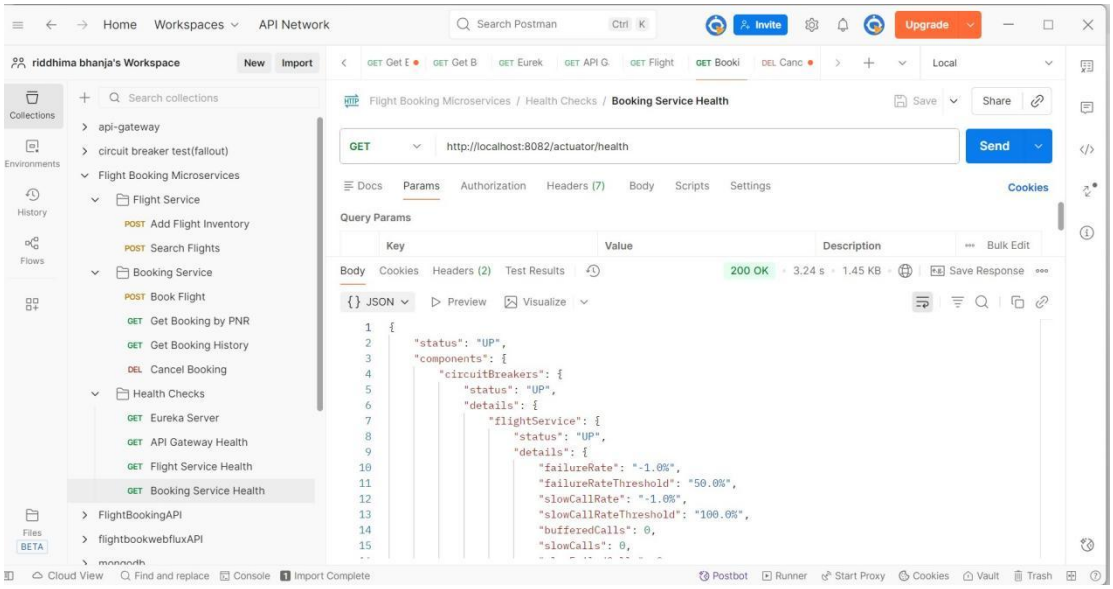


- **Health Check**

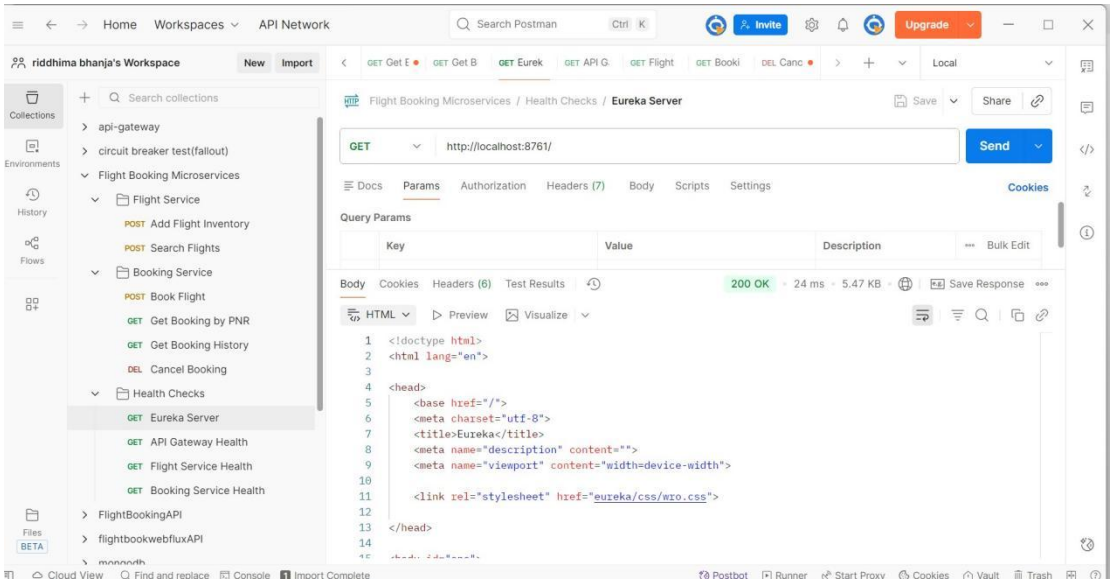
API gateway health:



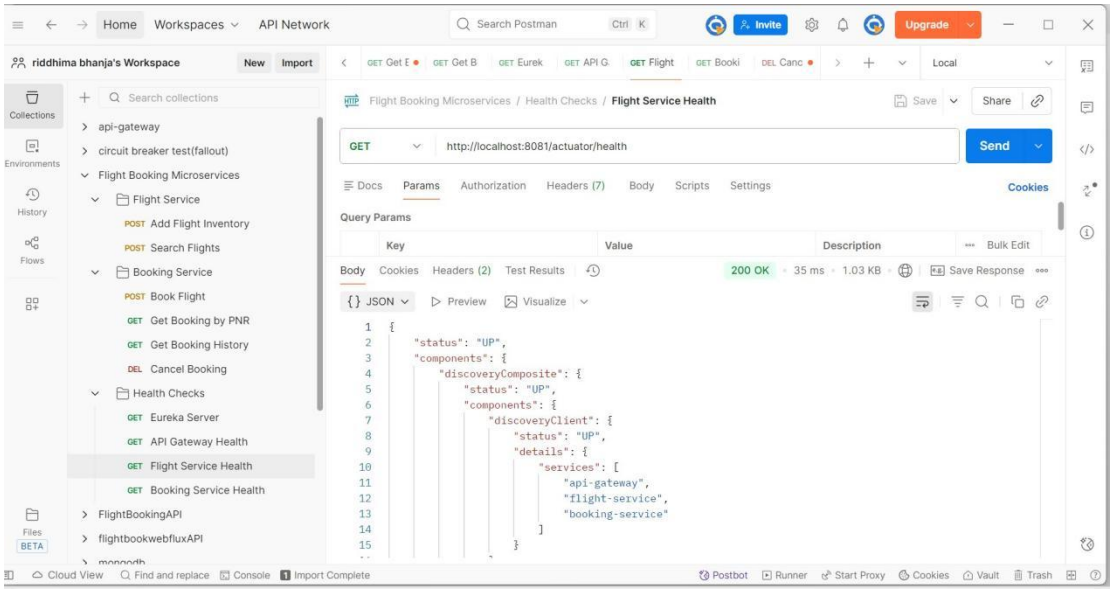
Booking Service Health:



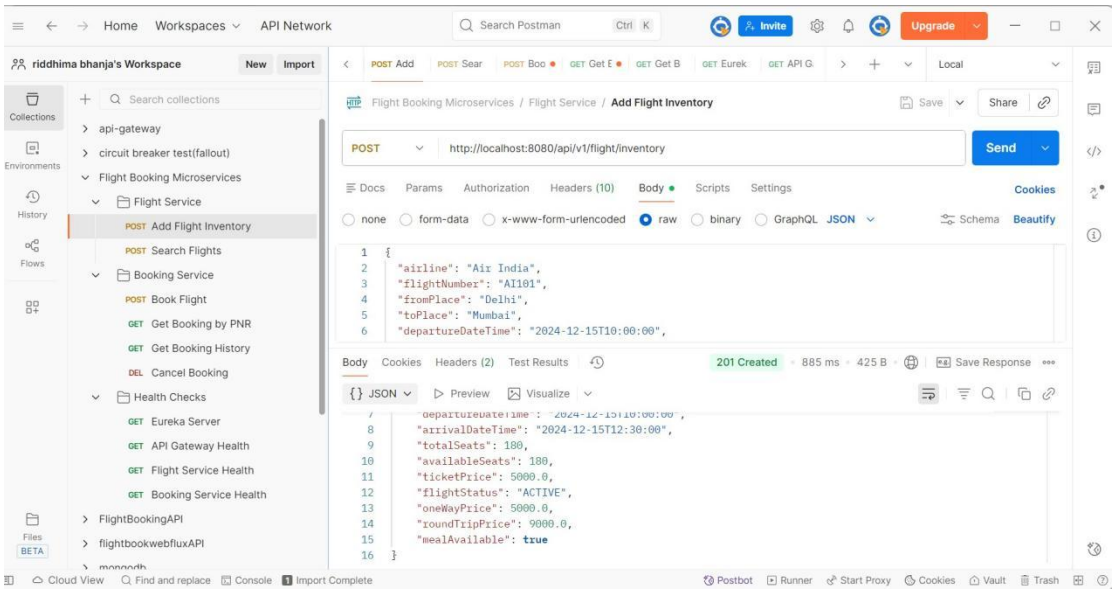
Eureka server:



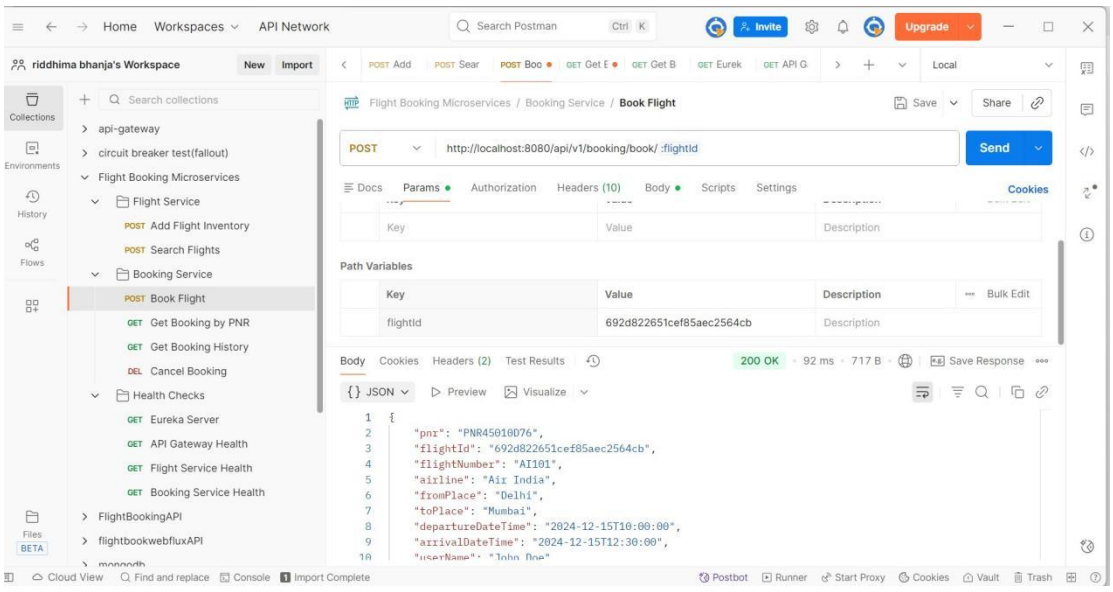
Flight Service Health:



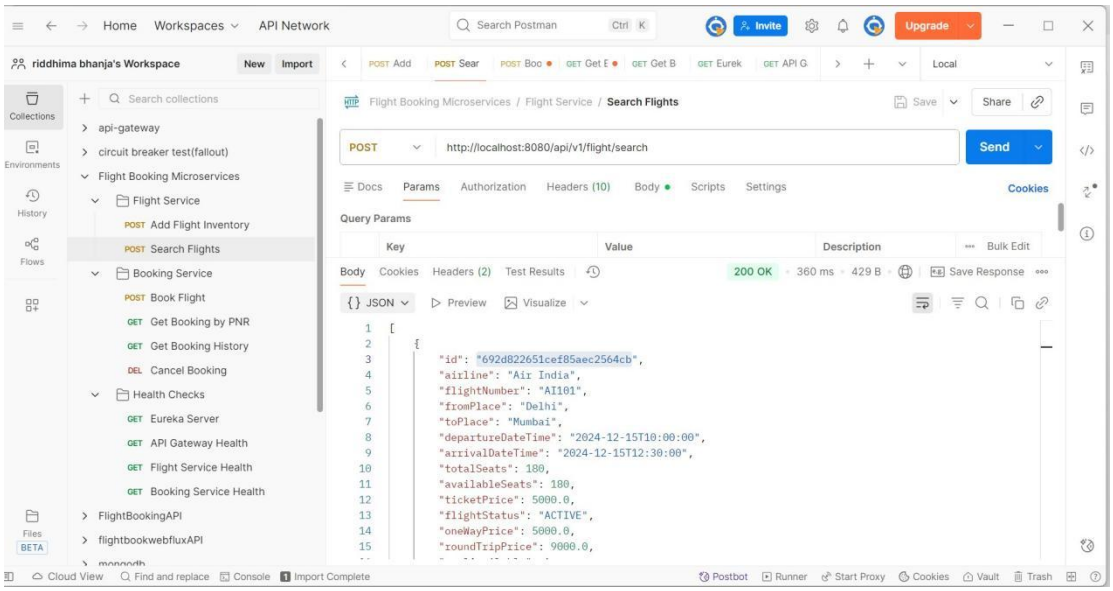
ADD FLIGHT



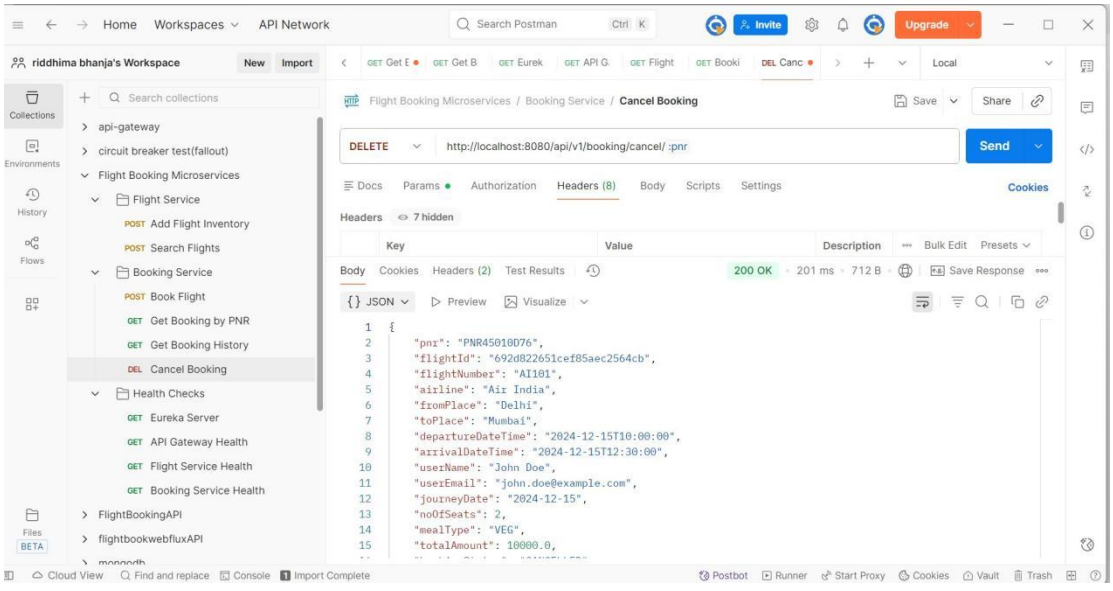
BOOK FLIGHT



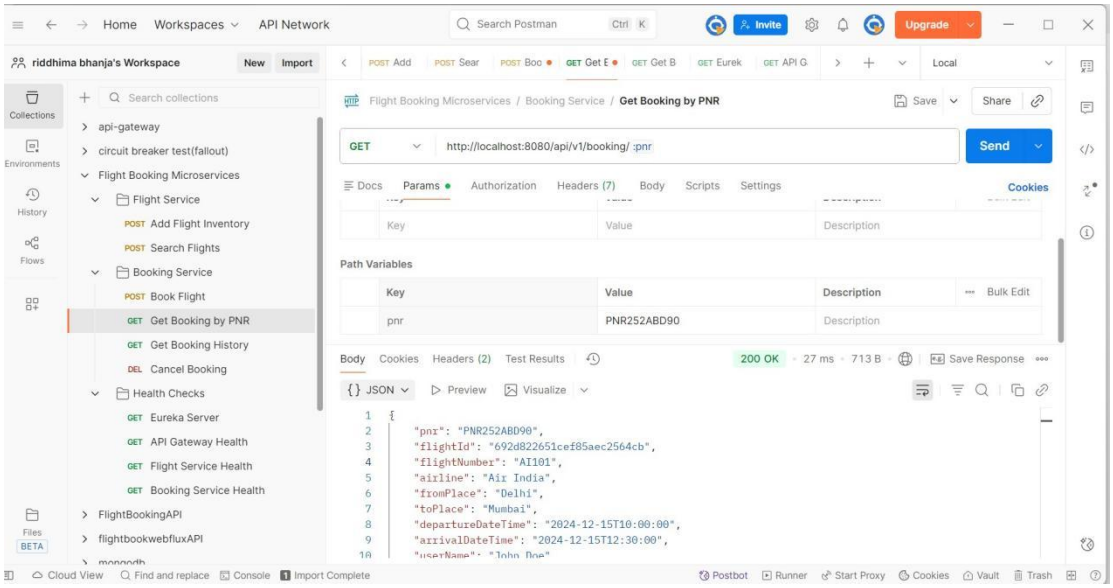
SEARCH FLIGHTS



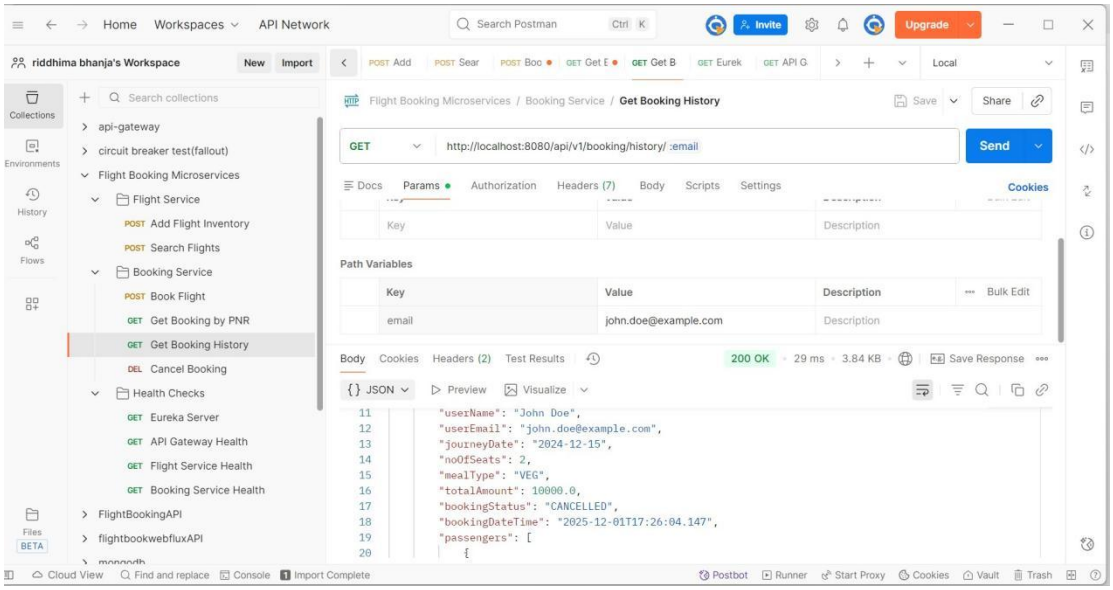
CANCEL BOOKING



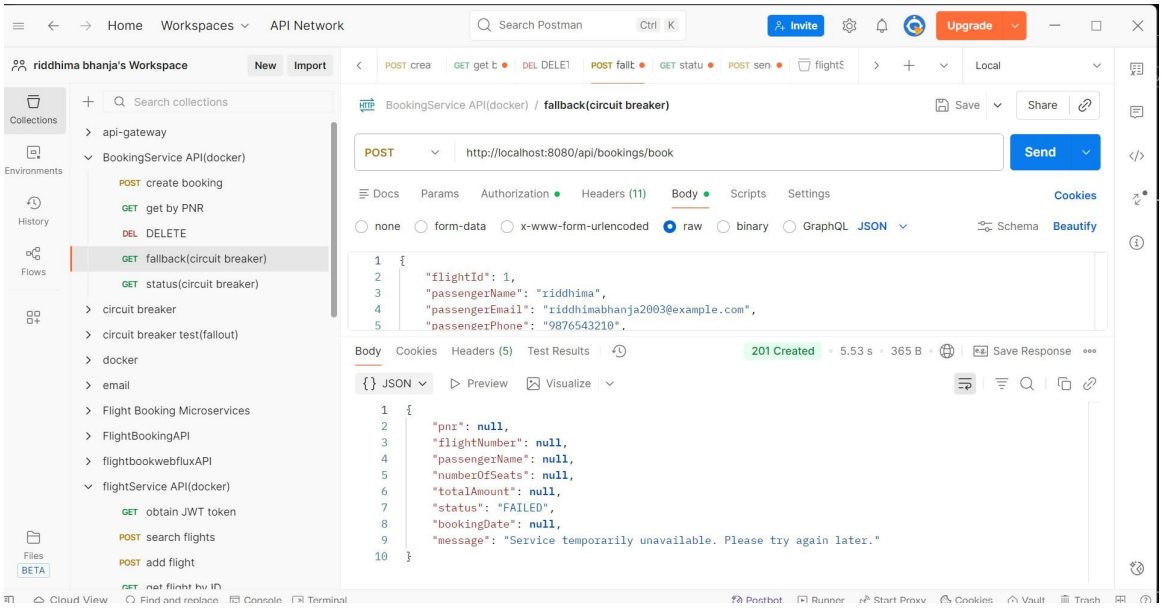
GET BOOKING BY PNR



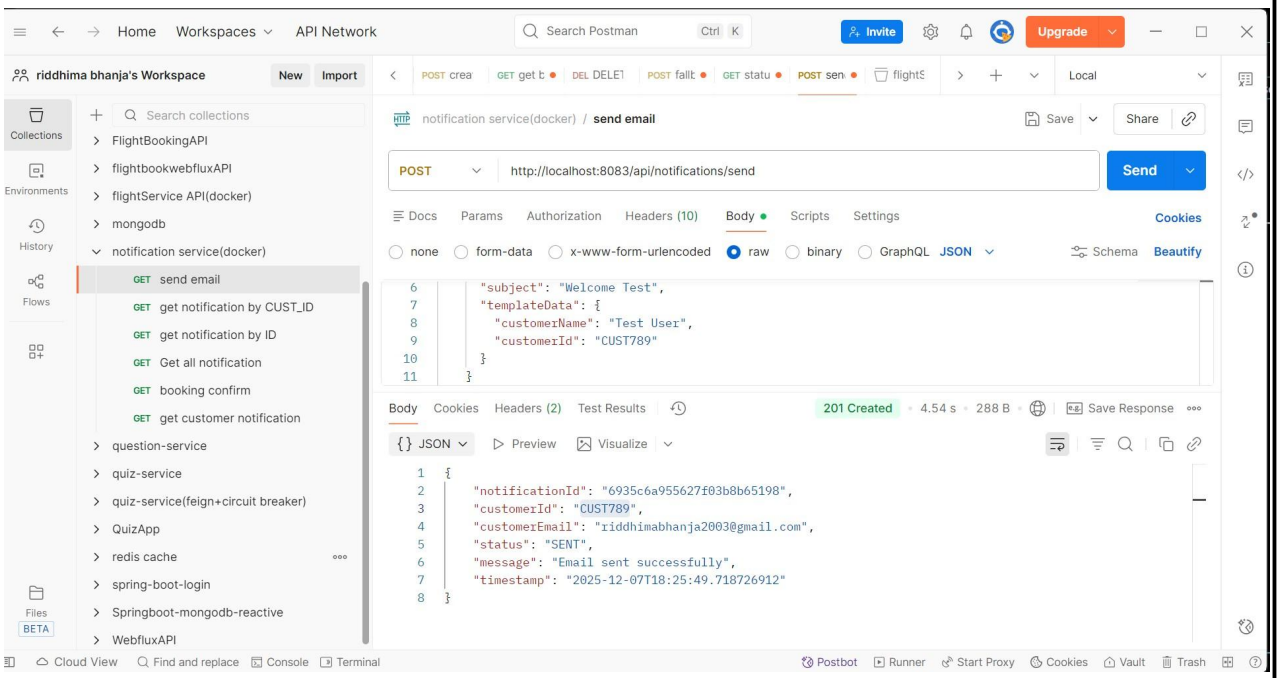
GET BOOKING HISTORY



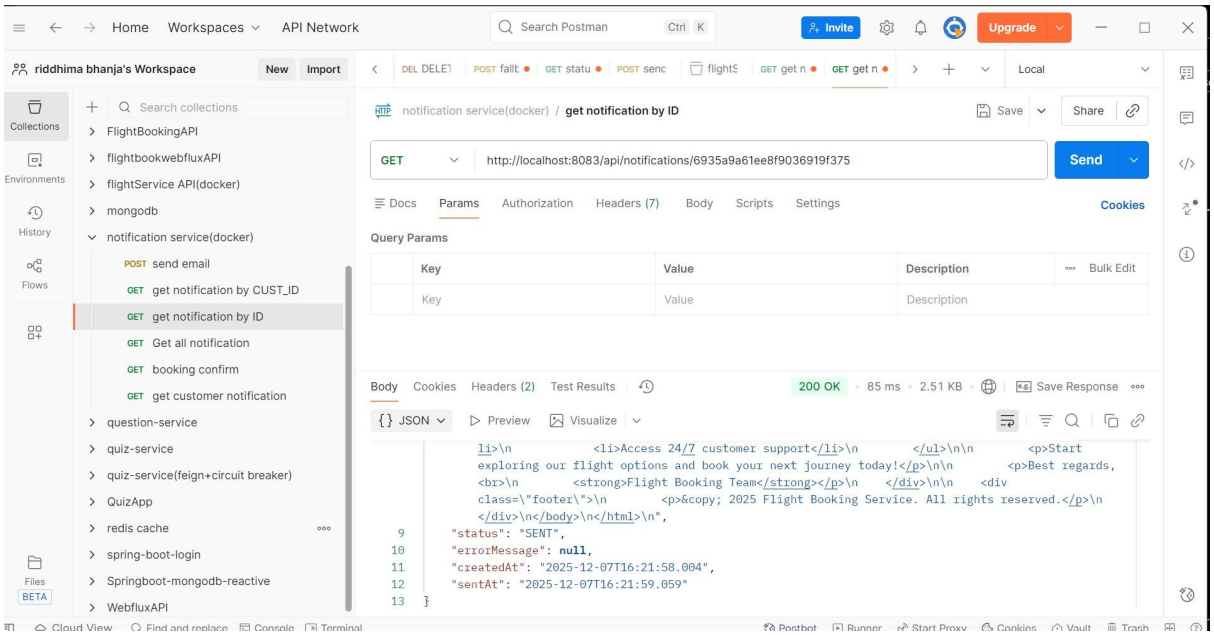
FALLBACK case



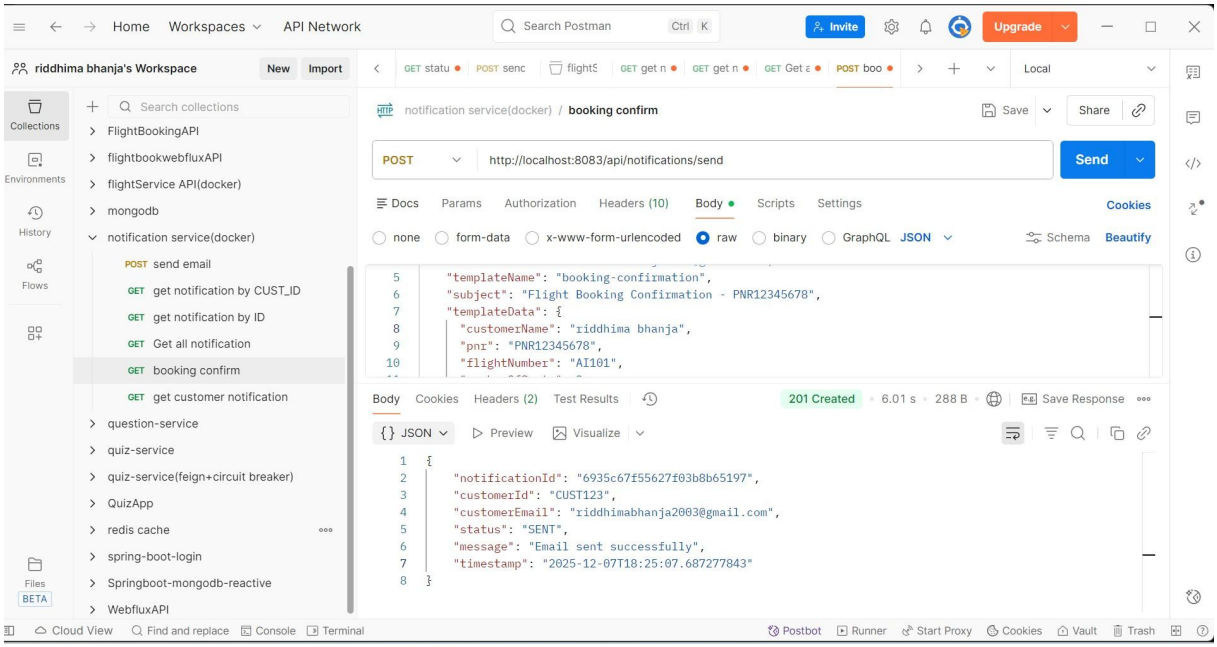
SEND EMAIL



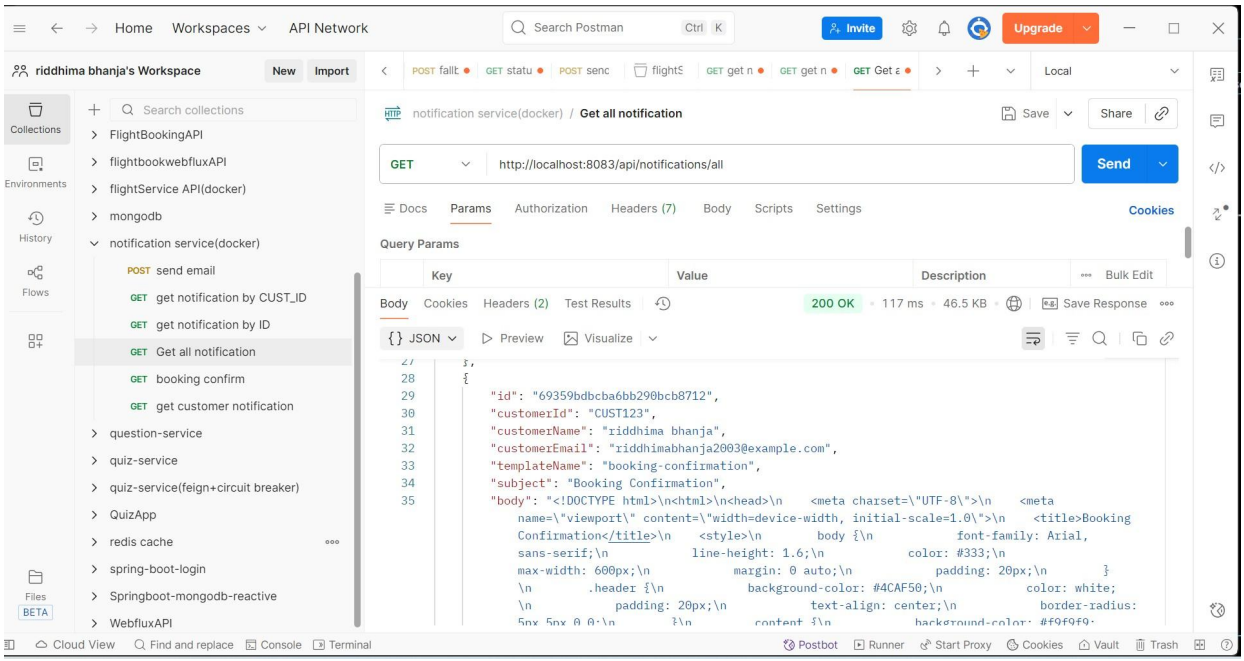
GET BY ID



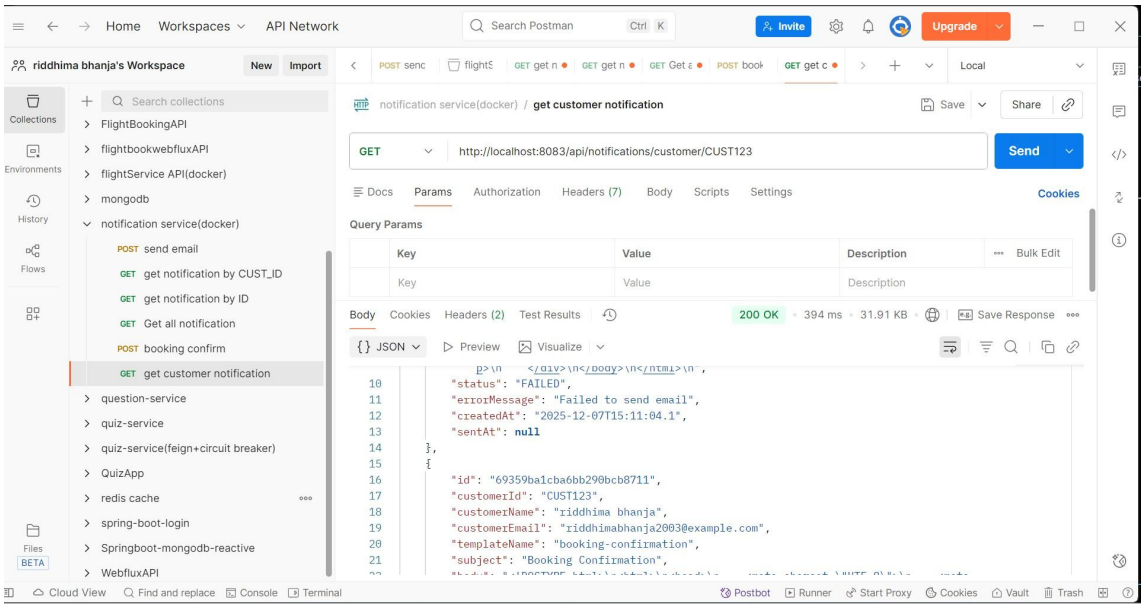
BOOKING CONFIRMATION EMAIL



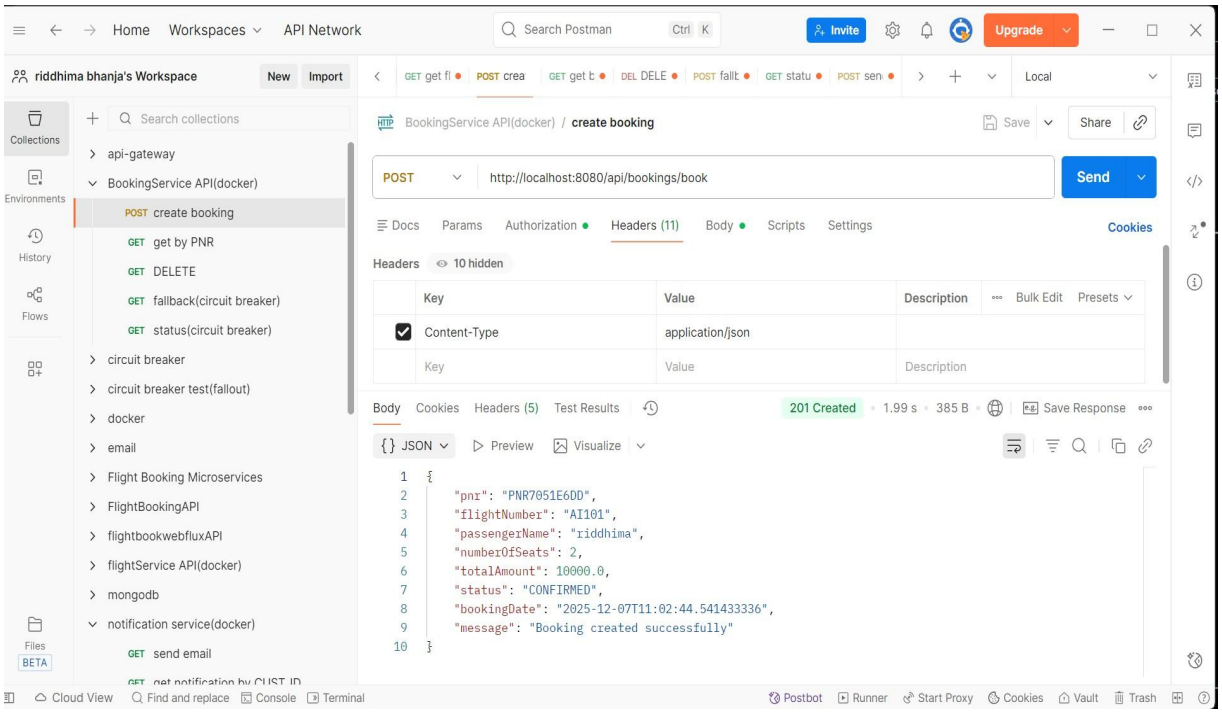
GET ALL NOTIFICATION



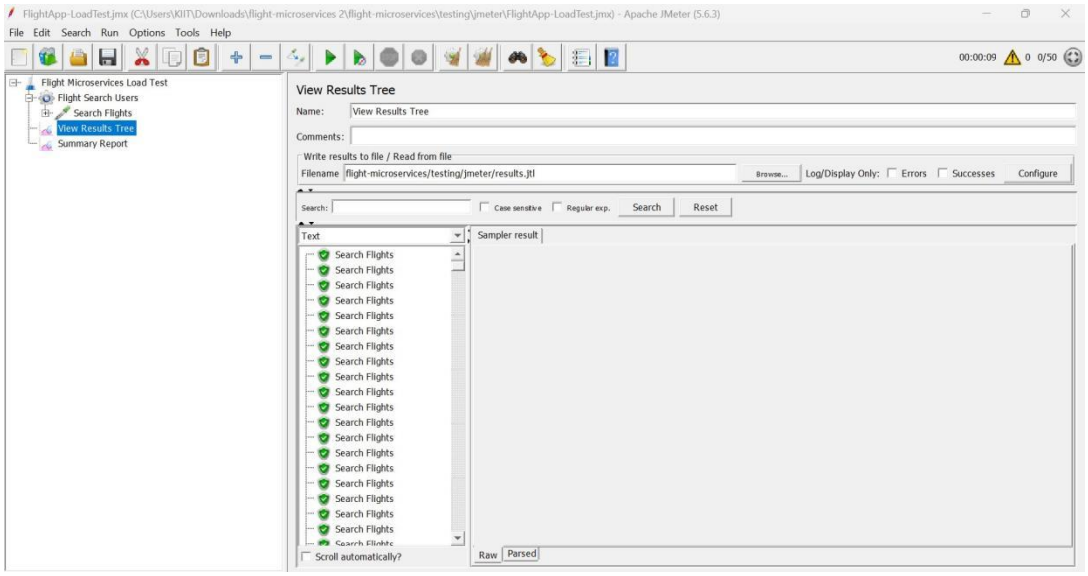
GET CUSTOMER NOTIFICATION



CREATE BOOKING

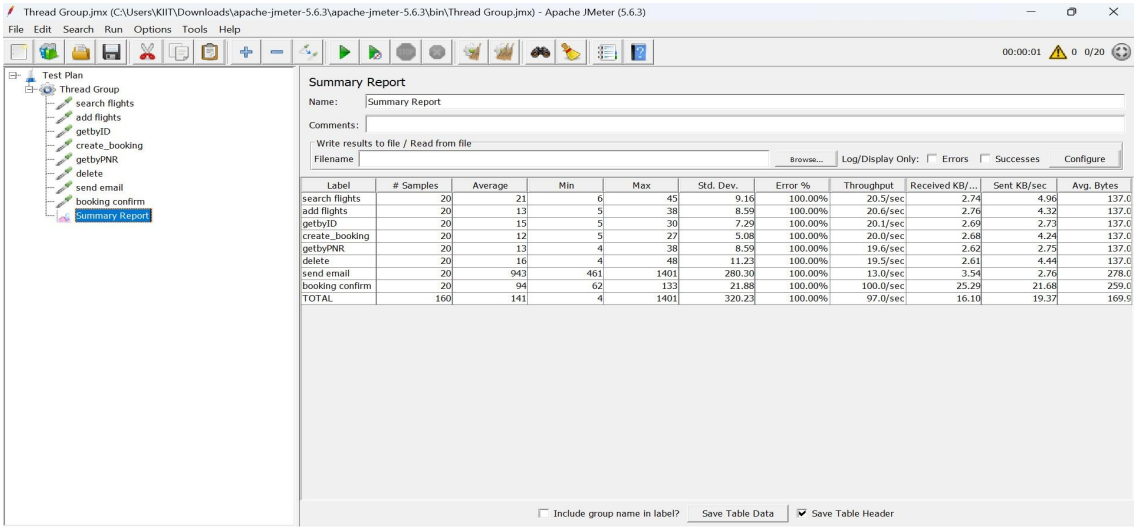


- Jmeter result tree

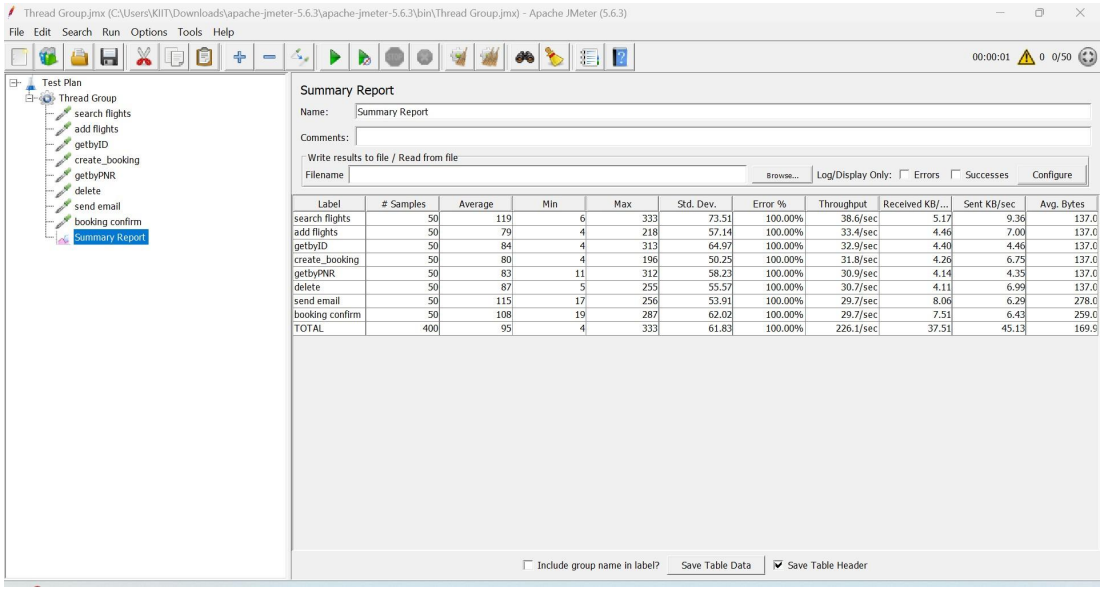


- # Jmeter Summary report

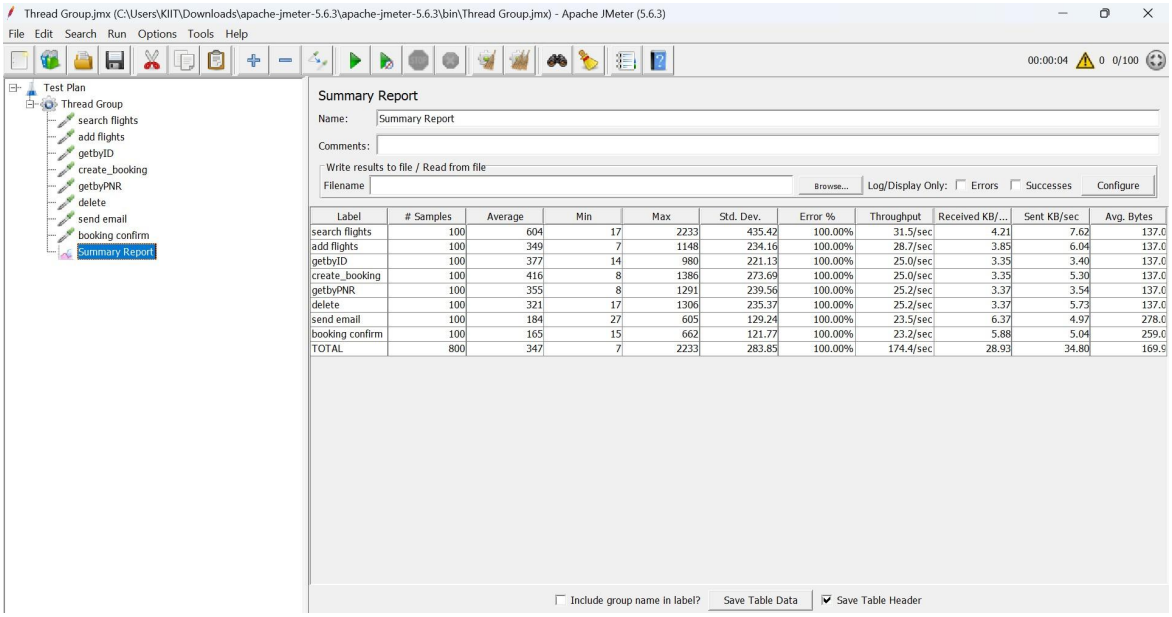
20 Requests



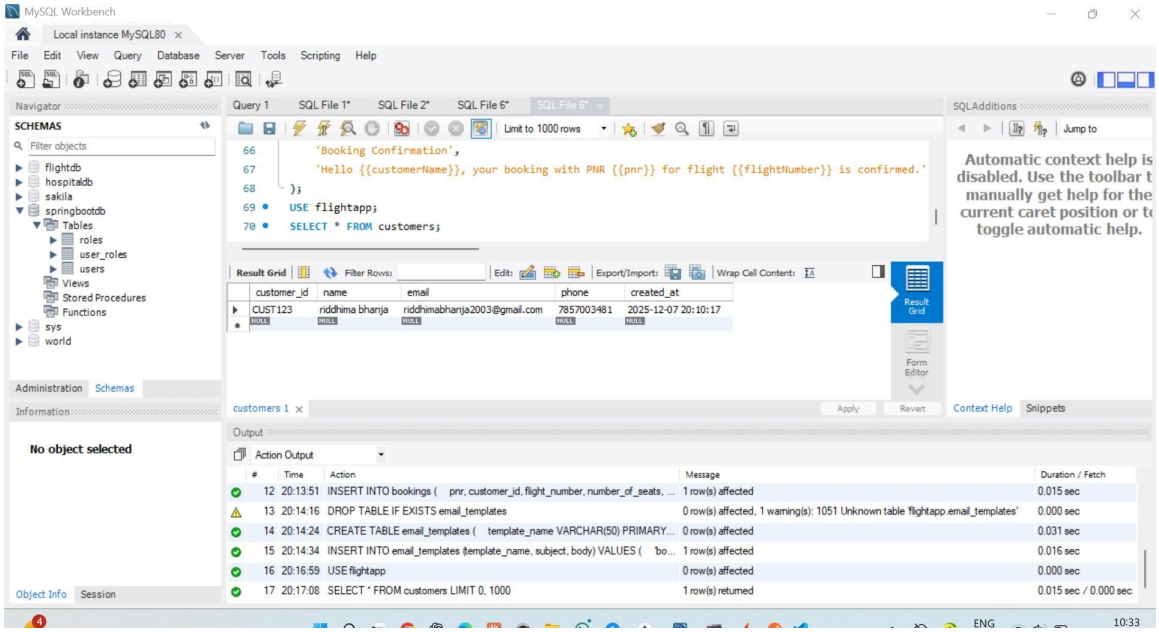
50 Requests



100 Requests



MySQL Workbench



EUREKA DASHBOARD