Flight Booking Application Performance Report

SonarQube Report:

JaCoCo Report:

FlightBookingWebFlux

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
org.example.flightapp.exception	▬▬	33%		n/a	10	19	12	29	10	19	0	9
org.example.flightapp.controller	▬	82%		n/a	3	16	5	29	3	16	0	4
org.example.flightapp		37%		n/a	1	2	2	3	1	2	0	1
org.example.flightapp.service.implementation	▬▬▬▬	99%	▬▬	83%	2	41	0	140	0	35	0	4
org.example.flightapp.DTO	▬	100%		n/a	0	4	0	4	0	4	0	4
org.example.flightapp.model.entity	▬	100%		n/a	0	3	0	20	0	3	0	3
org.example.flightapp.model.enums	▬	100%		n/a	0	3	0	10	0	3	0	3
Total	92 of 974	90%	2 of 12	83%	16	88	19	235	14	82	0	28

Jmeter Testing:

HTTP Request

Name:	HTTP Request
Comments:	

Basic | Advanced

Web Server

Protocol [http]:	Server Name or IP: localhost	Port Number: 8080

HTTP Request

GET ▼ Path: /api/v1.0/flight/booking/history/arjun.mehta@example.com   Content encoding:

☐ Redirect Automatically ☑ Follow Redirects ☑ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

1) 20 request

Summary Report

Name:	Flight Application - WebFlux MongoDB
Comments:	

Write results to file / Read from file

Filename [ ] Browse... Log/Display Only: ☐ Errors ☐ Successes Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
HTTP Requ...	20	4	4	7	0.74	0.00%	4.2/sec	15.42	0.70	3753.0
TOTAL	20	4	4	7	0.74	0.00%	4.2/sec	15.42	0.70	3753.0

2) 50 Request

Summary Report

Name:	Flight Application - WebFlux MongoDB
Comments:	

Write results to file / Read from file

Filename [ ] Browse... Log/Display Only: ☐ Errors ☐ Successes Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
HTTP Requ...	50	4	3	6	0.58	0.00%	10.2/sec	37.36	1.70	3753.0
TOTAL	50	4	3	6	0.58	0.00%	10.2/sec	37.36	1.70	3753.0

3) 100 Request

Name: Flight Application - WebFlux MongoDB

Comments:

Write results to file / Read from file

Filename: [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB...	Sent KB/sec	Avg. Bytes
HTTP Requ...	100	4	3	8	0.79	0.00%	20.2/sec	74.00	3.37	3753.0
TOTAL	100	4	3	8	0.79	0.00%	20.2/sec	74.00	3.37	3753.0