

# Flight Booking Application Performance Report

## SonarQube Report:

★ Vishnu Varadhan / FlightBookingWebFlux

NewPublic

✓ Passed

Last analysis: 11/24/2025, 9:42 PM • 917 Lines of Code • Java, XML

A0

Security

A0

Reliability

A14

Maintainability

A100%

Hotspots Reviewed

91.5%

Coverage

0.0%

Duplications

Filters

▼ Software quality

Security0

Reliability0

Maintainability14

▼ Severity ?

Blocker0

High0

Medium0

Low4

Info10

> Code attribute

> Type

Select issues for bulk actions

☐ Change

Select Issues

▼▲

Navigate to issue

◀▶

14 issues1h effort

src/.../java/org/example/flightapp/DTO/PassengerDTO.java

☐ Rename this package name to match the regular expression `^[a-z_]+\.[a-z_][a-z0-9_]*$`.

Consistency

MaintainabilityLow

convention+

Open

Vishnu Varadhan

L1

10min effort

1 day ago

Code Smell

Minor

src/.../java/org/example/flightapp/DTO/ScheduleDTO.java

☐ Rename this package name to match the regular expression `^[a-z_]+\.[a-z_][a-z0-9_]*$`.

Consistency

MaintainabilityLow

convention+

Open

Vishnu Varadhan

L1

10min effort

1 day ago

Code Smell

Minor

src/.../java/org/example/flightapp/DTO/SearchQueryDTO.java

☐ Rename this package name to match the regular expression `^[a-z_]+\.[a-z_][a-z0-9_]*$`.

Consistency

MaintainabilityLow

convention+

Open

Vishnu Varadhan

L1

10min effort

1 day ago

Code Smell

Minor

## JaCoCo Report:

### FlightBookingWebFlux

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed Cxty	Missed Lines	Missed Methods	Missed Classes
org.example.flightapp.exception	<div></div>	33%		n/a	1019	1229	1019	09
org.example.flightapp.controller	<div></div>	82%		n/a	316	529	316	04
org.example.flightapp	<div></div>	37%		n/a	12	23	12	01
org.example.flightapp.service.implementation	<div></div>	99%	<div></div>	83%	241	0140	035	04
org.example.flightapp.DTO	<div></div>	100%		n/a	04	04	04	04
org.example.flightapp.model.entity	<div></div>	100%		n/a	03	020	03	03
org.example.flightapp.model.enums	<div></div>	100%		n/a	03	010	03	03
Total	92 of 974	90%	2 of 12	83%	1688	19235	1482	028

# 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

#### 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...	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