








# JaCoCo Test Coverage Report

 flight-booking-webflux

 Sessions

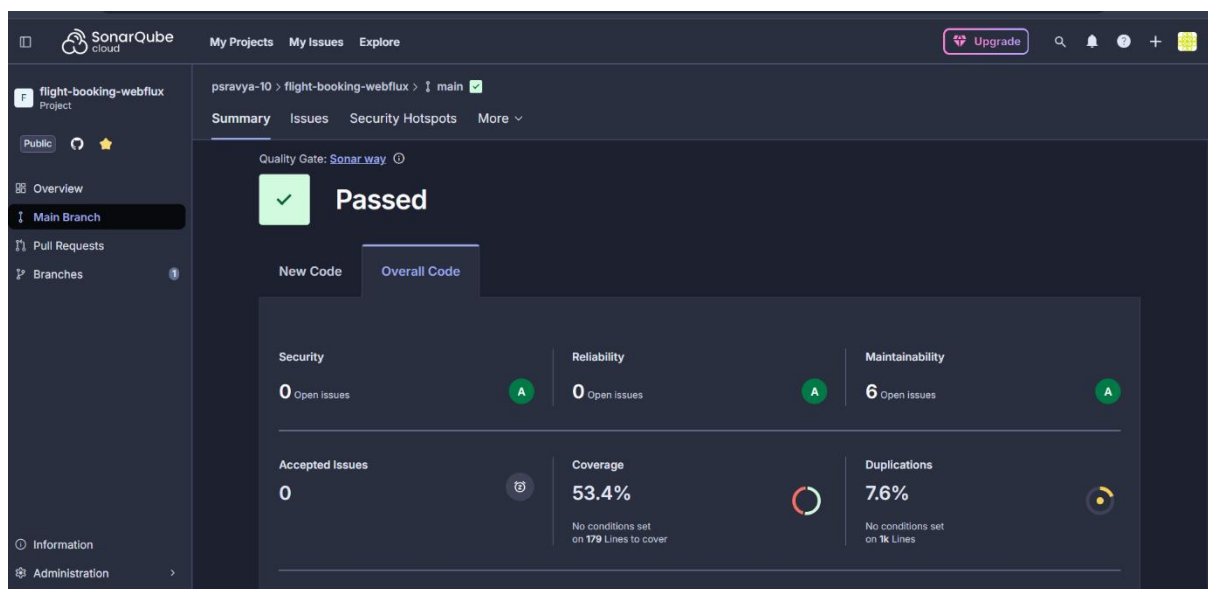
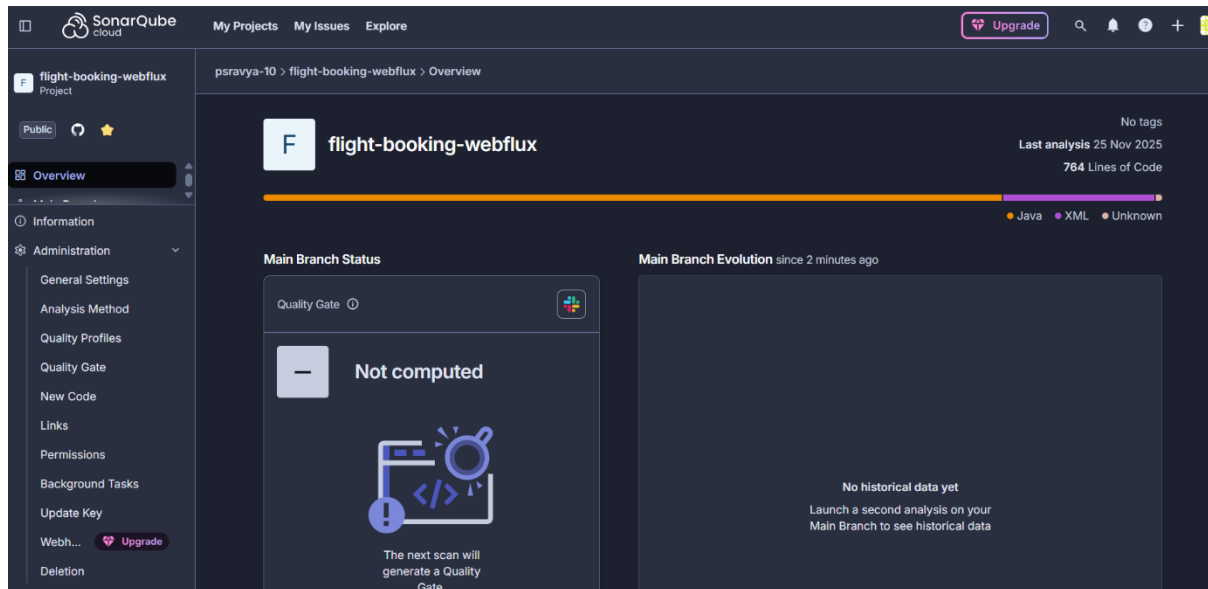
# flight-booking-webflux

Element	Missed Instructions	Cov	Missed Branches	Cov	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
 com.flightapp.service	<div><div></div></div>	0%	<div><div></div></div>	0%	34	34	115	115	15	15	2	2
 com.flightapp.model.enums	<div><div></div></div>	0%		n/a	5	5	20	20	5	5	5	5
 com.flightapp.exception	<div><div></div></div>	5%	<div><div></div></div>	0%	5	6	14	15	2	3	0	1
 com.flightapp.controller	<div><div></div></div>	0%		n/a	6	6	7	7	6	6	1	1
 com.flightapp	<div><div></div></div>	37%		n/a	1	2	2	3	1	2	0	1
Total	652 of 658	0%	44 of 44	0%	51	53	158	160	29	31	8	10

Created with JaCoCo 0.8.12.202403310830

flight-booking-webflux													
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Element	Missed Instructions	Cov	Missed Branches	Cov	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes	
com.flightapp.service		57%		26%	25	34	39	115	6	15	0	2	
com.flightapp.exception		68%		66%	3	6	7	15	1	3	0	1	
com.flightapp		37%		n/a	1	2	2	3	1	2	0	1	
com.flightapp.model.enums		100%		n/a	0	5	0	20	0	5	0	5	
com.flightapp.controller		100%		n/a	0	6	0	7	0	6	0	1	
Total	215 of 658	67%	30 of 44	31%	29	53	48	160	8	31	0	10	

# SonarQube Code Quality Analysis

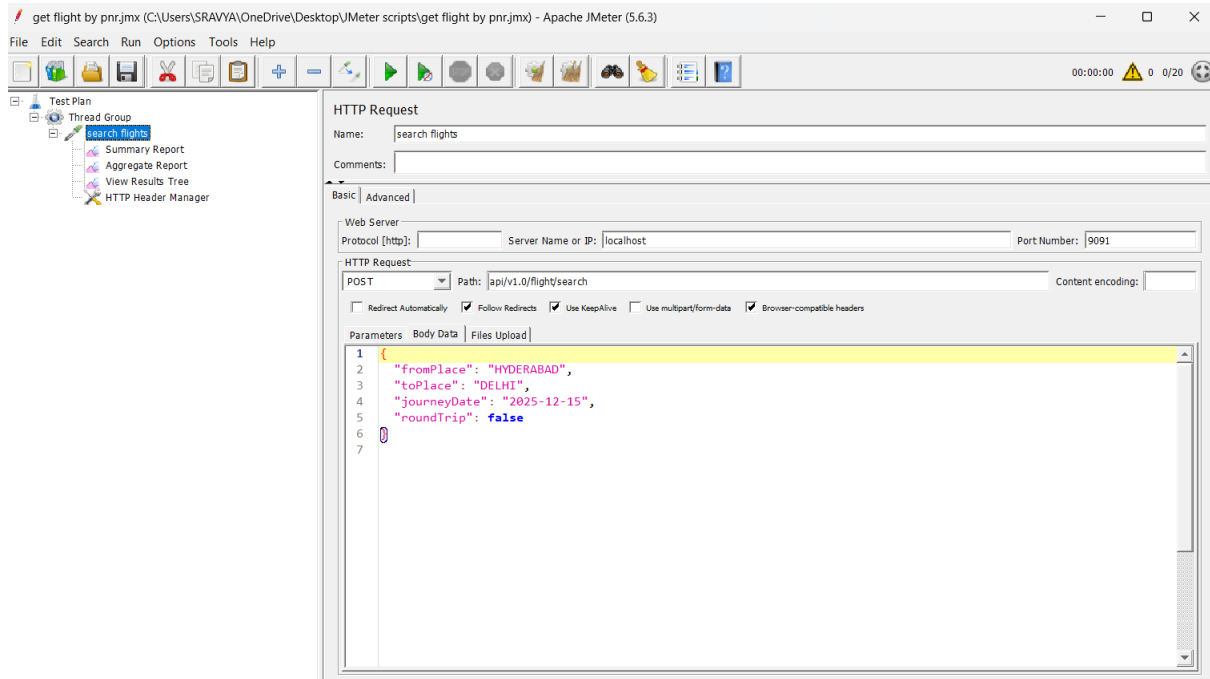


# JMeter Load Testing Report

Application URL: <http://localhost:9091>

API tested: /api/v1.0/flight/search

Data format: JSON request body



## 20 Requests

The screenshot shows the Apache JMeter 5.6.3 interface with the Aggregate Report for the 'search flights' test. The Name is 'Aggregate Report'. The Log/Display Only section is checked for Errors, Successes, and Configure. The table below shows the results of the test.

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
search flights	20	9	8	14	15	15	5	15	0.00%	20.8/sec	15.30	6.71
TOTAL	20	9	8	14	15	15	5	15	0.00%	20.8/sec	15.30	6.71

At the bottom of the interface, there are checkboxes for 'Include group name in label?' (unchecked), 'Save Table Data' (checked), and 'Save Table Header' (checked).

get flight by pnr.jmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnr.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:04 0 0/1

Test Plan  
Thread Group  
search flights  
Summary Report  
Aggregate Report  
View Results Tree  
HTTP Header Manager

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file  
Filename:  Browse... Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
search flights	20	8	6	17	2.32	0.00%	114.9/sec	84.41	37.04	752.0
TOTAL	20	8	6	17	2.32	0.00%	114.9/sec	84.41	37.04	752.0

☐ Include group name in label?  ☒ Save Table Header

## 50 Requests

get flight by pnr.jmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnr.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:04 0 0/1

Test Plan  
Thread Group  
search flights  
Summary Report  
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HTTP Header Manager

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file  
Filename:  Browse... Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
search flights	50	13	4	103	16.74	0.00%	73.6/sec	54.08	23.73	752.0
TOTAL	50	13	4	103	16.74	0.00%	73.6/sec	54.08	23.73	752.0

☐ Include group name in label?  ☒ Save Table Header

get flight by pnr.jmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnr.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:01 0 0/1

Test Plan  
Thread Group  
search flights  
Summary Report  
**Aggregate Report**  
View Results Tree  
HTTP Header Manager

### Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file  
Filename:  Browse... Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
search flights	50	6	4	11	17	46	3	46	0.00%	144.9/sec	106.43	46.71
TOTAL	50	6	4	11	17	46	3	46	0.00%	144.9/sec	106.43	46.71

☐ Include group name in label?  ☒ Save Table Header

## 100 Requests

get flight by pnr.jmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnr.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:01 0 0/1

Test Plan  
Thread Group  
search flights  
**Summary Report**  
Aggregate Report  
View Results Tree  
HTTP Header Manager

### Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file  
Filename:  Browse... Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
search flights	100	14	4	157	23.43	0.00%	67.7/sec	49.69	21.80	752.0
TOTAL	100	14	4	157	23.43	0.00%	67.7/sec	49.69	21.80	752.0

☐ Include group name in label?  ☒ Save Table Header

get flight by pnrjmx (C:\Users\SRAVYA\OneDrive\Desktop\JMeter scripts\get flight by pnrjmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

Test Plan

Thread Group

search flights

Summary Report

Aggregate Report

View Results Tree

HTTP Header Manager

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only: ☐ Errors ☐ Successes 

Configure

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
search flights	100	6	6	8	12	34	4	35	0.00%	19.8/sec	14.51	6.37
TOTAL	100	6	6	8	12	34	4	35	0.00%	19.8/sec	14.51	6.37

☐ Include group name in label?

Save Table Data

☒ Save Table Header