

# FLIGHT BOOKING SYSTEM MICROSERVICE

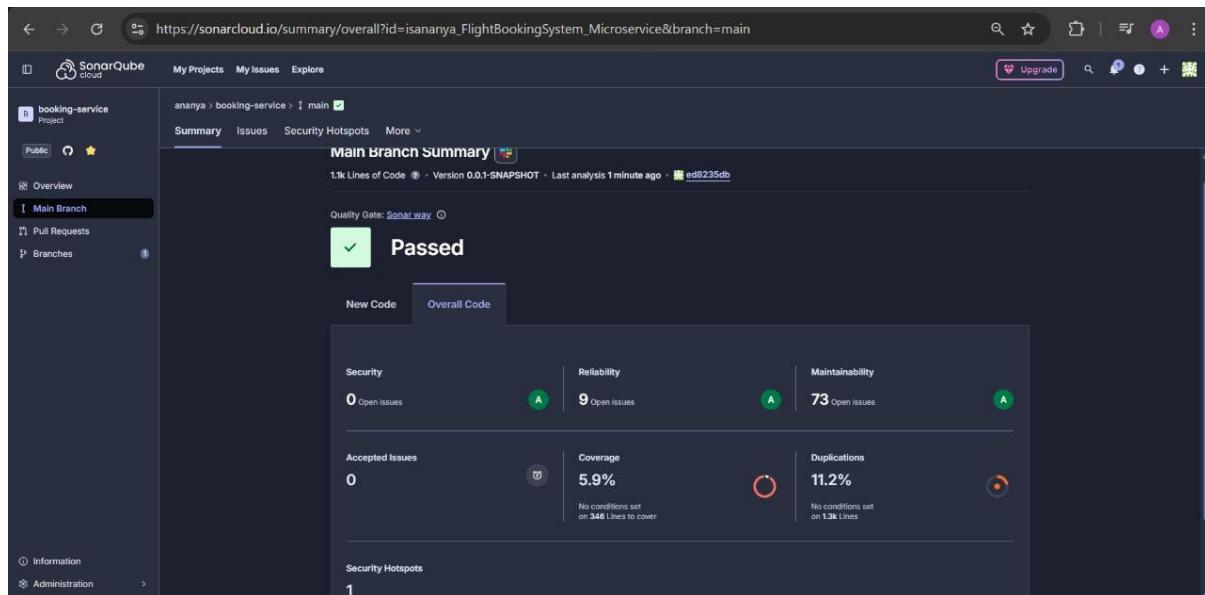
## SONAR ANALYSIS

Running in terminal:

```
C:\Windows\System32\cmd.e > + <

[INFO] 05:16:53.548 Sensor Java CPD Block Indexer (done) | time=90ms
[INFO] 05:16:54.429 Inferred api base url 'https://api.sonarcloud.io' from host url 'https://sonarcloud.io'.
[INFO] 05:16:54.429 ----- Gather SCA dependencies on project
[INFO] 05:16:54.433 Checking if SCA is enabled for organization ananya
[INFO] 05:16:54.787 Dependency analysis skipped
[INFO] 05:16:54.711 CPD Executor 18 files had no CPD blocks
[INFO] 05:16:54.711 CPD Executor Calculating CPD for 24 files
[INFO] 05:16:54.725 CPD Executor CPD calculation finished (done) | time=13ms
[INFO] 05:16:54.729 SCM Publisher SCM provider for this project is: git
[INFO] 05:16:54.730 SCM Publisher 61 source files to be analyzed
[INFO] 05:16:57.393 SCM Publisher 60/61 source files have been analyzed (done) | time=2662ms
[WARNING] 05:16:57.393 Missing blame information for the following files:
[WARNING] 05:16:57.394 * pom.xml
[WARNING] 05:16:57.394 This may lead to missing/broken features in SonarCloud
[INFO] 05:17:00.278 Analysis report generated in 391ms, dir size=577 KB
[INFO] 05:17:00.672 Analysis report compressed in 369ms, zip size=212 KB
[INFO] 05:17:02.180 Analysis report uploaded in 1508ms
[INFO] 05:17:02.183 ANALYSIS SUCCESSFUL, you can find the results at: https://sonarcloud.io/dashboard?id=isananya_FlightBookingSystem_Microservice
[INFO] 05:17:02.183 Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
[INFO] 05:17:02.183 More about the report processing at https://sonarcloud.io/api/ce/task?id=AZrcUAtnLNMR3G0mFJgl
[INFO] 05:17:02.184 ----- Upload SCA dependency files
[INFO] 05:17:03.743 Sensor cache published successfully
[INFO] 05:17:03.822 Analysis total time: 44.413 s
[INFO] -----
[INFO] Reactor Summary for microservices-parent 0.0.1-SNAPSHOT:
[INFO]
[INFO] api-gateway ..... SUCCESS [ 6.639 s]
[INFO] microservices-parent ..... SUCCESS [ 51.659 s]
[INFO] booking-service ..... SUCCESS [ 33.122 s]
[INFO] config-server ..... SUCCESS [ 2.605 s]
[INFO] eureka-server ..... SUCCESS [ 26.836 s]
[INFO] flight-service ..... SUCCESS [ 32.131 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 02:35 min
[INFO] Finished at: 2025-12-02T05:17:03+05:30
[INFO] -----
```

Initial phase (before adding tests and fixing issues) :



## After adding tests (improved coverage):

The screenshot shows the SonarCloud interface for the 'microservices-parent' project. The main summary card indicates a 'Passed' status with a green checkmark. Key metrics shown include:

- Security:** 0 Open issues (A grade)
- Reliability:** 15 Open issues (A grade)
- Maintainability:** 102 Open issues (A grade)
- Accepted Issues:** 0
- Coverage:** 93.7% (No conditions set on 347 Lines to cover)
- Duplications:** 0.0% (No conditions set on 2.2k Lines)
- Security Hotspots:** 1

The URL in the browser is [https://sonarcloud.io/summary/overall?id=isananya\\_FlightBookingSystem\\_Microservice&branch=main](https://sonarcloud.io/summary/overall?id=isananya_FlightBookingSystem_Microservice&branch=main).

## After resolving issues (94% COVERAGE) – FINAL PHASE

The screenshot shows the SonarCloud interface for the 'microservices-parent' project. The main summary card indicates a 'Passed' status with a green checkmark. Key metrics shown include:

- Security:** 0 Open issues (A grade)
- Reliability:** 0 Open issues (A grade)
- Maintainability:** 87 Open issues (A grade)
- Accepted Issues:** 0
- Coverage:** 94.0% (No conditions set on 370 Lines to cover)
- Duplications:** 0.0% (No conditions set on 2.2k Lines)
- Security Hotspots:** 1

The URL in the browser is [https://sonarcloud.io/summary/overall?id=isananya\\_FlightBookingSystem\\_Microservice&branch=main](https://sonarcloud.io/summary/overall?id=isananya_FlightBookingSystem_Microservice&branch=main).