sonar

**HappyTrip
1.0.0-BUILD-SNAPSHOT**

Sonar way
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Table of contents

1. HappyTrip

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Report Overview

Static Analysis

Lines of code

6,937 ⬇

18 packages
127 classes
549 methods
2.4% duplicated lines

Comments

6.8% ⬆

509 comment lines

Complexity

1.6

6.7 /class
855 decision points

Dynamic Analysis

Code Coverage

0.0%

0 tests

Test Success

N/A

N/A failures
N/A errors

Coding Rules Violations

Rules Compliance

82.8% ⬇

Violations

564 ⬇

1.2. Violations Analysis

Most violated rules	
Security - Array is stored directly	1
Close Resource	114
Avoid Throwing Raw Exception Types	55
Preserve Stack Trace	54
System Println	37

Most violated files

JdbcFlightRouteDao	105
JdbcReportDao	48
JdbcRouteDao	34
JdbcUserDao	32
JdbcGenericDao	24

Most complex files

AdminServiceImpl	45
AdminController	40
JdbcFlightRouteDao	36
JdbcReportDao	35
JdbcLookupDao	30

Most duplicated files

JdbcFlightRouteDao	94
JdbcFlightDao	35
JdbcUserDao	30
AirlineDto	22
AirlineReport	22

1.3. Violations Details

Rule	Security - Array is stored directly	
File		Line
Backup		36

Rule	Close Resource	
File		Line
ConnectionHelper		33
JdbcAirlineDao		26, 51, 53, 147, 148, 149
JdbcBackupDao		23
JdbcBookingDao		28, 29, 30
JdbcCityDao		29, 54, 55, 61, 83, 84, 89, 127, 128

Rule	Avoid Throwing Raw Exception Types
File	**Line**
JdbcAirlineDao	41, 89, 169
JdbcBackupDao	37
JdbcBookingDao	45
JdbcCityDao	43, 75, 119, 138
JdbcFlightBookingDao	57
JdbcFlightClassDao	37
JdbcFlightDao	63, 92, 121, 150, 181
JdbcFlightRouteDao	59, 89, 356, 426

Rule	Preserve Stack Trace
File	**Line**
JdbcAirlineDao	41, 89, 169
JdbcBackupDao	37
JdbcBookingDao	45
JdbcCityDao	43, 75, 119, 138
JdbcFlightBookingDao	57
JdbcFlightClassDao	37
JdbcFlightDao	63, 92, 121, 150, 181
JdbcFlightRouteDao	59, 89, 356, 426

Rule	System Println
File	**Line**
AdminController	203
ProfileController	116, 117, 119
SearchController	115, 116, 117, 118, 119, 122, 133, 135
FlightConfirmationController	130
JdbcFlightRouteDao	36, 54, 67, 292, 301, 346, 442

Rule	Avoid Print Stack Trace
File	**Line**
AdminController	219, 307, 308
ContentController	26
HomeController	91
ProfileController	143

StartupController	82
JdbcFlightBookingDao	54
JdbcFlightRouteDao	485
JdbcRouteDao	202
JdbcStoredProceduresDao	50, 54, 57, 89, 93, 96, 156, 160, 163
JdbcUserDao	64

Rule	If Stmts Must Use Braces	
File		Line
SearchController		159
FlightBookingServiceImpl		63, 67, 70
AirlineBackup		23, 24
FlightBookingBackup		23, 24
RouteBackup		23, 24
ScheduledFlightBackup		23, 24
UserBackup		29, 30

Rule	Avoid commented-out lines of code	
File		Line
ProfileController		135, 122, 127, 131
FlightConfirmationController		85
AirlineDao		11
JdbcAirlineDao		136, 96
JdbcRouteDao		88
AdminServiceImpl		126

Rule	Avoid Duplicate Literals	
File		Line
AdminController		160, 199, 200
ProfileController		105, 118
ReportController		44
JdbcFlightRouteDao		120, 138, 151
JdbcGenericDao		84

Rule	Visibility Modifier	

File	Line
AdminServiceImpl	323, 338, 354
FlightBookingServiceImpl	122
FlightServlet	28
BeanFactory	56