



HappyTrip
1.0.0-BUILD-SNAPSHOT

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Table of contents

1. HappyTrip	Page 1
1.1. Report Overview	
1.2. Violations Analysis	
1.3. Violations Details	

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

6,516



22 packages

140 classes

608 methods

2.9% duplicated lines

Comments

4.5%

309 comment lines

Complexity

1.3

5.8 /class

812 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

94.8%



Violations

227



1.2. Violations Analysis

Most violated rules	
Security - Array is stored directly	1
If Stmt's Must Use Braces	22
Unused Private Field	17
Close Resource	14
System Println	13

Most violated files	
ProfileController	19
AdminController	18
JdbcGenericDao	18
FlightConfirmationController	14
FlightPaymentController	12

Most complex files	
AdminController	68
ProfileController	26
RegisterController	23
SearchController	23
JpaLookupDao	22

Most duplicated files	
AirlineDto	22
AirlineReport	22
RegisterController	20
AdminController	19
FlightConfirmationController	19

1.3. Violations Details

Rule	Security - Array is stored directly	
File	Line	
Backup	47	

Rule	If Stmt Must Use Braces	
File	Line	
AdminController	285	
ProfileController	170, 185	
ReportController	73	
SearchController	107	
FlightBookingController	85	
FlightPaymentController	63	

PaymentProcessController	35, 36
Airline	89, 91, 94
AirlineBackup	23, 24
FlightBookingBackup	23, 24
RouteBackup	23, 24
ScheduledFlightBackup	23, 24

Rule	Unused Private Field
File	Line
AdminController	39, 42, 43
PassengerController	14
ProfileController	49
StartupController	43, 46
FlightRouteDto	12
FlightBookingController	37
FlightConfirmationController	49
JpaAirlineDao	16
JpaBakupDao	15
JpaCityDao	16
JpaStateDao	15
AdminServiceImpl	42, 45
FlightBookingServiceImpl	31

Rule	Close Resource
File	Line
JdbcGenericDao	38, 47, 48, 49, 71, 72, 73, 93, 95, 96, 116, 118, 132, 134

Rule	System Println
File	Line
AdminController	254
HomeController	69
ReportController	116
SearchController	84
JdbcGenericDao	94
JpaAirlineDao	41
JpaFlightRouteDao	36, 50

ChatloginServlet	51, 55
ChatlogoutServlet	24
FlightValidator	35, 39

Rule	Avoid Print Stack Trace
File	Line
AdminController	135, 144, 153
ProfileController	150
RegisterController	102
SearchController	74, 148, 151
StartupController	80
FlightConfirmationController	95

Rule	Avoid commented-out lines of code
File	Line
AdminController	198, 200, 305
RegisterController	169
AddFlightConfirm	62
FlightValidator	33
UserModelTransformer	17

Rule	Avoid Duplicate Literals
File	Line
HomeController	63
ReportController	102
FlightConfirmationController	113
JdbcGenericDao	85

Rule	Signature Declare Throws Exception
File	Line
ProfileController	165
SearchController	93
PaymentProcessController	34



Rule	Preserve Stack Trace	
File	Line	
SearchController	111, 115	