

POM - Sappheiros Desktop Modular Application Framework 1.8-SNAPSHOT

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POM - Sappheiros Desktop Modular Application Framework

1. POM - Sappheiros Desktop Modular Application Framework

This chapter presents an overview of the project mesaures. 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	Comments	Complexity
2,322	32.1%	1.8
11 packages	1,097 comment lines	11.3 /class
42 classes		474 decision points
269 methods		
0.0% duplicated lines		

Dynamic Analysis

Code Coverage	Test Success
0.0%	N/A
0 tests	N/A failures
	N/A errors

Coding Rules Violations

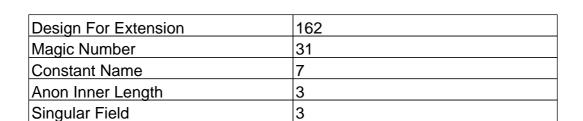
Rules Compliance		Violations	
88.9%		221	L

Violations by category		
Maintainability	17	
Reliability	194	
Efficiency	2	
Portability	0	
Usability	8	

Most viol	ated rules	
Wost viol	<u>ated rules</u>	







Most violated files		
ModularDockingApplicationView	55	
ApplicationServiceImpl	19	
AbstractViewComponent	16	
AbstractActionComponent	14	
ViewComponentManager	14	

Most complex files		
ActionComponentManager	55	
ModularDockingApplicationView	50	
ViewComponentManager	42	
ApplicationServiceImpl	33	
ImageUtils	21	

Most duplicated files	
No duplications	

1.3. Violations Details

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Rule Design For Extension		
File	Line	
ModularDockingApplicationView	134, 304, 316, 339, 398, 407, 418, 427, 436, 445, 454, 463, 472, 497, 504, 513, 524, 528, 567, 585	

Rule	Magic Number	
File		Line



ModularDockingApplicationView	156, 156, 158, 158, 158, 158, 159, 159,
	159, 159, 160, 161,
	162, 163, 163, 164, 164, 169, 325, 326

Rule Constant Name	
File	Line
ModularDockingApplicationView	103, 104
ActionComponentManager	41
AbstractActionEnabledViewComponent	24
ActionComponentServiceImpl	24
ApplicationServiceImpl	30
LookAndFeelUtils	21

Rule Anon Inner Length	
File	Line
ModularDockingApplicationView	210
ActionComponentManager	109
ViewComponentManager	284

Rule Singular Field	
File	Line
ModularApplicationAboutDialog 52	
ModularDockingApplicationView	87, 90

Rule	Boolean Expression Complexity	
File		Line
ActionC	omponentManager	278, 288

Rule	Cyclomatic Complexity		
File		Line	
ActionC	omponentManager	248	
ViewCo	mponentManager	170	



Rule	Avoid Throwing Raw Exception Types	
File		Line
ErrorLog	glmpl	60, 67

Rule Hide Utility Class Cons	tructor
File Line	
ImageUtils 15	
LookAndFeelUtils	18

Rule	Constructor Calls Overridable Method		
File		Line	
Modulai	rDockingApplicationView	127	





2. srth-desktop - plugin configuration

2.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
N/A	N/A	N/A
N/A packages	N/A comment lines	N/A /class
N/A classes		N/A decision points
N/A methods		
N/A duplicated lines		

Dynamic Analysis

Code Coverage	Test Success
N/A	N/A
N/A tests	N/A failures
	N/A errors

Coding Rules Violations

Rules Compliance	Violations
N/A	0

Violations by category		
Maintainability	0	
Reliability	0	
Efficiency	0	
Portability	0	
Usability	0	

Most violated rules	
No violated rules	



Most violated files

Sonar PDF Report

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No violated files	
Most complex files	
No complex files	
•	
Most duplicated files	
No duplications	





3. srth-desktop - imported bundles

3.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
N/A	N/A	N/A
N/A packages	N/A comment lines	N/A /class
N/A classes		N/A decision points
N/A methods		
N/A duplicated lines		

Dynamic Analysis

Code Coverage	Test Success
N/A	N/A
N/A tests	N/A failures
	N/A errors

Coding Rules Violations

Rules Compliance	Violations
N/A	0

Violations by category		
Maintainability	0	
Reliability	0	
Efficiency	0	
Portability	0	
Usability	0	

Most violated rules	
No violated rules	

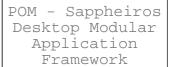


Most violated files

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No violated files	
Most complex files	
No complex files	
·	
Most duplicated files	
No duplications	





4. Sappheiros Desktop UI framework

4.1. Report Overview

Static Analysis

Lines of code

1

•

2 packages

1,245

7 classes79 methods

0.0% duplicated lines

Comments

21.9%

349 comment lines

Complexity

2.4

27.6 /class

193 decision points

Dynamic Analysis

Code Coverage

N/A

0.0% 0 tests

N/A failures N/A errors

Test Success

Coding Rules Violations

Rules Compliance

Violations

89.2%

4

111

1

Violations by category		
Maintainability	14	
Reliability	94	
Efficiency	0	
Portability	0	
Usability	3	

Most violated rules	
Design For Extension	65
Magic Number	28





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Anon Inner Length	3
Singular Field	3
Constant Name	3

Most violated files	
ModularDockingApplicationView	55
ViewComponentManager	14
ActionComponentManager	14
GoogleFormErrorReporter	11
ModularDockingApplication	11

Most complex files		
ActionComponentManager	55	
ModularDockingApplicationView	50	
ViewComponentManager	42	
GoogleFormErrorReporter	17	
ModularApplicationAboutDialog	17	

Most duplicated files	
No duplications	

Rule Design For Extension		
File	Line	
ModularDockingApplicationView	134, 304, 316, 339, 398, 407, 418, 427, 436, 445, 454, 463, 472, 497, 504, 513, 524, 528, 567, 585	

Rule Magic Number			
File		Line	



ModularDockingApplicationView	156, 156, 158, 158, 158, 158, 159, 159,
	159, 159, 160, 161, 162, 163, 163, 164,
	164, 169, 325, 326

Rule Anon Inner Length		
File Line		
ModularDockingApplicationView 210		
ActionComponentManager 109		
ViewComponentManager 284		

Rule Singular Field		
File Line		
ModularApplicationAboutDialog 52		
ModularDockingApplicationView 87, 90		

Rule Constant Name		
File Line		
ModularDockingApplicationView 103, 104		
ActionComponentManager 41		

Rule	Boolean Expression Complexity	
File Line		
ActionComponentManager 278, 288		278, 288

Rule Cyclomatic Complexity		
File Line		
ActionComponentManager 248		
ViewComponentManager 170		

Rule	Signature Declare Throws Exception		
File	File Line		



GoogleFormErrorRe	porter	128

Rule	Unused Private Field	
File		Line
Modular	- ApplicationAboutDialog	52

Rule	Ncss Method Count	
File		Line
ViewCo	mponentManager	170





5. Sappheiros Modular Framework

5.1. Report Overview

Static Analysis

Lines of code

2 packages 20 classes

618

104 methods

0.0% duplicated lines

Comments

42.9%

465 comment lines

Complexity

1.4

7.4 /class

148 decision points

Dynamic Analysis

Code Coverage

N/A

0.0%0 tests

N/A failures

Test Success

N/A errors

Coding Rules Violations

Rules Compliance

Violations

89.8%



63



Violations by category	
Maintainability	0
Reliability	61
Efficiency	0
Portability	0
Usability	2

Most violated rules	
Design For Extension	61
Constant Name	2







Most violated files	
AbstractViewComponent	16
AbstractActionComponent	14
ActionComponentServiceImpl	9
ViewComponentServiceImpl	8
AbstractActionEnabledViewComponent	7

Most complex files		
AbstractActionEnabledViewComponent	18	
ViewComponent	18	
ActionComponent	16	
ActionComponentServiceImpl	15	
ViewComponentServiceImpl	15	

Most duplicated files	
No duplications	

Rule Design For Extension	
File	Line
AbstractActionEnabledViewComponent	78, 87, 96, 113, 130, 149
ViewComponentServiceImpl	45, 66, 87, 96, 105, 114, 123, 139
AbstractViewComponent	95, 112, 121, 130, 139, 148

Rule	Constant Name	
File		Line
AbstractActionEnabledViewComponent 24		24
ActionComponentServiceImpl 24		24





6. Sappheiros Dependencies

6.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
57	6.6%	7.0
1 packages	4 comment lines	10.5 /class
2 classes		21 decision points
3 methods		
0.0% duplicated lines		

Dynamic Analysis

Code Coverage	Test Success
0.0%	N/A
0 tests	N/A failures
	N/A errors

Coding Rules Violations

Rules Compliance	Violations
84.2%	3

Violations by category		
Maintainability	1	
Reliability	0	
Efficiency	1	
Portability	0	
Usability	1	

Most violated rules	
Preserve Stack Trace	1
Hide Utility Class Constructor	1



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Avoid Throwing Null Pointer Exception	1
LXCeption	

Most violated files	
ImageUtils	3

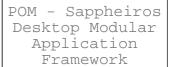
Most complex files	
ImageUtils	21

Most duplicated files	
No duplications	

Rule Preserve Stack Trace	
File	Line
ImageUtils	28

Rule	Hide Utility Class Constructor	
File		Line
ImageU ⁻	ils	15

Rule Avoid Throwing Null Pointer Exception		
File		Line
ImageU	tils	28





7. Sappheiros Application Service

7.1. Report Overview

Static Analysis

Lines of code

5 packages

355

11 classes 79 methods

0.0% duplicated lines

Comments

40.5%

242 comment lines

Test Success

Complexity

1.4

9.8 /class

108 decision points

Dynamic Analysis

Code Coverage

N/A

0.0%

0 tests N/A failures

N/A errors

Coding Rules Violations

Rules Compliance

Violations

87.3%

39

Violations by category		
Maintainability	2	
Reliability	34	
Efficiency	1	
Portability	0	
Usability	2	

Most violated rules	
Design For Extension	31
Magic Number	3





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Avoid Throwing Raw Exception Types	2
Constant Name	2
Hide Utility Class Constructor	1

Most violated files		
ApplicationServiceImpl	19	
ErrorLogImpl	9	
ErrorLoggerServiceImpl	9	
LookAndFeelUtils	2	

Most complex files		
ApplicationServiceImpl	33	
ApplicationService	17	
MDockingView	13	
ErrorLoggerServiceImpl	9	
ErrorLoggerService	8	

Most duplicated files	
No duplications	

Rule Design For Extension	
File	Line
ErrorLogImpl	31, 38, 45, 52, 59, 66
ApplicationServiceImpl	55, 64, 73, 82, 91, 112, 133, 154, 175, 191, 205, 212, 216, 220

Rule Magic Number	
File	Line
ErrorLogImpl	25
ApplicationServiceImpl	46
ErrorLoggerServiceImpl	29



Rule Avoid Throwing Raw Exception Types		
File		Line
ErrorLog	glmpl	60, 67

Rule Constant Name	Constant Name	
File	Line	
ApplicationServiceImpl	30	
LookAndFeelUtils	21	

Rule	Hide Utility Class Constructor	
File		Line
LookAn	dFeelUtils	18





8. Sappherios Plugin Manager

8.1. Report Overview

Static Analysis

Dynamic Analysis

4 methods

0.0% duplicated lines

Code Coverage

0.0%

N/A

0 tests

N/A failures

N/A errors

Coding Rules Violations

Rules Compliance Violations
89.4% 5 •

Violations by category	
Maintainability	0
Reliability	5
Efficiency	0
Portability	0
Usability	0

Most violated rules	
Design For Extension	5



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Most violated files	
ShowPluginManagerActionComponent	5

Most complex files	
ShowPluginManagerActionComponent	3
ShowPluginManagerAction	1

Most duplicated files	
No duplications	

Rule Design For Extension	
File	Line
ShowPluginManagerActionComponent	49, 64, 76, 103, 112