sonar

POM - Sappheiros Desktop Modular Application Framework
1.8-SNAPSHOT

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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

2,322

11 packages
42 classes
269 methods
0.0% duplicated lines

Comments

32.1%

1,097 comment lines

Complexity

1.8

11.3 /class
474 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

88.9%

Violations

221

1.2. Violations Analysis

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

Most violated rules	

Design For Extension	162
Magic Number	31
Constant Name	7
Anon Inner Length	3
Singular Field	3

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

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
ActionComponentManager		278, 288

Rule	Cyclomatic Complexity	
File		Line
ActionComponentManager		248
ViewComponentManager		170

Rule	Avoid Throwing Raw Exception Types	
File		Line
ErrorLogImpl		60, 67

Rule	Hide Utility Class Constructor	
File		Line
ImageUtils		15
LookAndFeelUtils		18

Rule	Constructor Calls Overridable Method	
File		Line
ModularDockingApplicationView		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

2.2. Violations Analysis

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

Most violated rules
No violated rules

Most violated files

No violated files

Most complex files

No complex files

Most duplicated files

No duplications

2.3. Violations Details

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

3.2. Violations Analysis

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

Most violated rules
No violated rules

Most violated files

No violated files

Most complex files

No complex files

Most duplicated files

No duplications

3.3. Violations Details

4. Sappheiros Desktop UI framework

4.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
1,245 ⬇	**21.9%**	**2.4**
2 packages	**349 comment lines**	**27.6 /class**
7 classes		**193 decision points**
79 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**
89.2% ⬆	**111** ⬇

4.2. Violations Analysis

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

Most violated rules	
Design For Extension	65
Magic Number	28

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

4.3. Violations Details

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

Rule	Cyclomatic Complexity
File	**Line**
ActionComponentManager	248
ViewComponentManager	170

Rule	Signature Declare Throws Exception
File	**Line**

GoogleFormErrorReporter	128

Rule	Unused Private Field	
File		Line
ModularApplicationAboutDialog		52

Rule	Ncss Method Count	
File		Line
ViewComponentManager		170

5. Sappheiros Modular Framework

5.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
618 ⬇	**42.9%**	**1.4**
2 packages	465 comment lines	7.4 /class
20 classes		148 decision points
104 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**
89.8% ⬆	**63** ⬇

5.2. Violations Analysis

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

5.3. Violations Details

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
ActionComponentServiceImpl		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**

6.2. Violations Analysis

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

Avoid Throwing Null Pointer Exception	1

Most violated files

ImageUtils	3

Most complex files

ImageUtils	21

Most duplicated files

No duplications

6.3. Violations Details

Rule	Preserve Stack Trace	
File		Line
ImageUtils		28

Rule	Hide Utility Class Constructor	
File		Line
ImageUtils		15

Rule	Avoid Throwing Null Pointer Exception	
File		Line
ImageUtils		28

7. Sappheiros Application Service

7.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
355 ⬆	40.5% ⬇	1.4
5 packages	242 comment lines	9.8 /class
11 classes		108 decision points
79 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**
87.3% ⬆	39 ⬇

7.2. Violations Analysis

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

Most violated rules	
Design For Extension	31
Magic Number	3

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

7.3. Violations Details

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
ErrorLogImpl		60, 67

Rule	Constant Name	
File		Line
ApplicationServiceImpl		30
LookAndFeelUtils		21

Rule	Hide Utility Class Constructor	
File		Line
LookAndFeelUtils		18

8. Sappherios Plugin Manager

8.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
47 ⬇	44.1% ⬆	1.0
1 packages	37 comment lines	2.0 /class
2 classes		4 decision points
4 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**
89.4% ⬆	5 ⬇

8.2. Violations Analysis

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

Most violated rules	
Design For Extension	5

Most violated files

ShowPluginManagerActionComponent	5

Most complex files

ShowPluginManagerActionComponent	3
ShowPluginManagerAction	1

Most duplicated files

No duplications

8.3. Violations Details

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