sonar

Yet Another SNOMED CT Browser - uk.nhs.cfh.dsp.yasb 0.8-SNAPSHOT
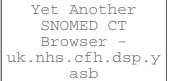
2011-01-17

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1. Yet Another SNOMED CT Browser - uk.nhs.cfh.dsp.yasb

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
3,970	**30.1%**	**2.2**
32 packages	1,708 comment lines	12.2 /class
51 classes		624 decision points
288 methods		
5.2% duplicated lines		

Dynamic Analysis

Code Coverage	Test Success
0.0%	**100.0%**
1 tests	0 failures
	0 errors

Coding Rules Violations

Rules Compliance	Violations
97.4%	**62**

1.2. Violations Analysis

Violations by category	
Maintainability	15
Reliability	45
Efficiency	0
Portability	0
Usability	2

Most violated rules

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Magic Number	37
Signature Declare Throws Exception	6
Close Resource	6
Constant Name	2
Unused Private Field	2

Most violated files

SearchPanel	22
SnomedLuceneDescriptionIndexer	6
SnomedConceptRendererPanel	4
SnomedLuceneIndexer	4
ExpressionBuilderPanel	3

Most complex files

SnomedPropertyExpressionTreeTableModel	48
TerminologySearchServiceImpl	36
SnomedConceptHierarchyTreeModel	32
SearchPanel	32
SNOMEDCTSearchServiceProvider	29

Most duplicated files

SnomedLuceneDescriptionIndexer	96
SnomedLuceneIndexer	96
SnomedRelationshipPanel	78
PropertyExpressionListCellRenderer	78
SNOMEDCTSearchServiceProvider	56

1.3. Violations Details

Rule	Magic Number
File	**Line**
IndexGeneratorServiceImpl	77, 97
SnomedLuceneDescriptionIndexer	100, 101, 125

SnomedLuceneIndexer	134
AbstractTerminologySearchServiceProvider	42
SearchPanel	235, 255, 314, 314, 316, 316, 316, 316, 317, 317, 317, 317, 318

Rule	Signature Declare Throws Exception	
File		**Line**
SnomedLuceneDescriptionIndexer		157
SnomedLuceneIndexer		166
PublishSearchResultsTask		86
GenerateExpressionTask		53
PopulateHierarchyTreeModelTask		43
GenerateExpressionTask		58

Rule	Close Resource	
File		**Line**
SnomedLuceneDescriptionIndexer		92, 93
SnomedLuceneIndexer		92, 93
SnomedSynonymEngine		80, 82

Rule	Constant Name	
File		**Line**
SnomedConceptHierarchyPanel		64
ExpressionBuilderPanel		102

Rule	Unused Private Field	
File		**Line**
SearchPanel		85
DetailedCloseToUserExpressionPanel		31

Rule	Singular Field	
File		**Line**
SnomedRelationshipPropertyExpressionPanel		38
SnomedNormalFormExpressionTreeRendererPanel		39

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Rule	Anon Inner Length	
File		Line
SearchPanel		175
SnomedConceptRendererPanel		115

Rule	Compare Objects With Equals	
File		Line
SnomedConceptHierarchyTreeModel		58

Rule	Ncss Method Count	
File		Line
SnomedConceptHierarchyPanel		87

Rule	Unused private method	
File		Line
SnomedConceptHierarchyTreeCellRenderer		96

2. yasb - 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. yasb - 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

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Most violated files

No violated files

Most complex files

No complex files

Most duplicated files

No duplications

3.3. Violations Details

4. uk.nhs.cfh.dsp.yasb.indexgenerator

4.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
477	25.4%	3.0
5 packages	162 comment lines	8.0 /class
9 classes		72 decision points
24 methods		
21.7% duplicated lines		

Dynamic Analysis

Code Coverage	**Test Success**
0.0%	100.0%
1 tests	0 failures
	0 errors

Coding Rules Violations

Rules Compliance	**Violations**
93.7%	14

4.2. Violations Analysis

Violations by category	
Maintainability	2
Reliability	12
Efficiency	0
Portability	0
Usability	0

Most violated rules	
Close Resource	6
Magic Number	6

Signature Declare Throws Exception	2

Most violated files

SnomedLuceneDescriptionIndexer	6
SnomedLuceneIndexer	4
IndexGeneratorServiceImpl	2
SnomedSynonymEngine	2

Most complex files

SnomedLuceneIndexer	16
SnomedLuceneDescriptionIndexer	15
IndexGeneratorServiceImpl	12
SnomedSynonymEngine	12
SynonymFilter	10

Most duplicated files

SnomedLuceneDescriptionIndexer	96
SnomedLuceneIndexer	96

4.3. Violations Details

Rule	Close Resource	
File		Line
SnomedLuceneDescriptionIndexer		92, 93
SnomedLuceneIndexer		92, 93
SnomedSynonymEngine		80, 82

Rule	Magic Number	
File		Line
IndexGeneratorServiceImpl		77, 97
SnomedLuceneDescriptionIndexer		100, 101, 125
SnomedLuceneIndexer		134

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Rule	Signature Declare Throws Exception	
File		**Line**
SnomedLuceneDescriptionIndexer		157
SnomedLuceneIndexer		166

5. uk.nhs.cfh.dsp.yasb.search

5.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
530	**38.5%**	**1.9**
2 packages	332 comment lines	16.4 /class
7 classes		115 decision points
61 methods		
4.7% 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**
99.8%	**1**

5.2. Violations Analysis

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

Most violated rules	
Magic Number	1

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Most violated files

AbstractTerminologySearchService Provider	1

Most complex files

TerminologySearchServiceImpl	36
SNOMEDCTSearchServiceProvider	29
TerminologySearchServiceProvider	20
AbstractTerminologySearchService Provider	17
TerminologySearchService	10

Most duplicated files

SNOMEDCTSearchServiceProvider	56

5.3. Violations Details

Rule	Magic Number	
File		Line
AbstractTerminologySearchServiceProvider		42

6. uk.nhs.cfh.dsp.yasb.indexprovider

6.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
3	50.0%	N/A
1 packages	3 comment lines	0.0 /class
1 classes		0 decision points
0 methods		
0.0% duplicated lines		

Dynamic Analysis

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

Coding Rules Violations

Rules Compliance	**Violations**
100.0%	0

6.2. Violations Analysis

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

Most violated rules
No violated rules

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15

Most violated files

No violated files

Most complex files

No complex files

Most duplicated files

No duplications

6.3. Violations Details

7. uk.nhs.cfh.dsp.yasb.searchpanel

7.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
532	**24.8%**	**2.0**
4 packages	175 comment lines	13.0 /class
5 classes		65 decision points
32 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**
94.0%	**24**

7.2. Violations Analysis

Violations by category	
Maintainability	3
Reliability	21
Efficiency	0
Portability	0
Usability	0

Most violated rules	
Magic Number	20
Anon Inner Length	1

Signature Declare Throws Exception	1
Unused Private Field	1
Constructor Calls Overridable Method	1

Most violated files

SearchPanel	22
SearchResultsListModel	1
PublishSearchResultsTask	1

Most complex files

SearchPanel	32
SearchResultsListModel	13
PublishSearchResultsTask	9
SearchResultListCellRenderer	7
PopulateListModelTask	4

Most duplicated files

No duplications

7.3. Violations Details

Rule	Magic Number	
File		Line
SearchPanel		235, 255, 314, 314, 316, 316, 316, 316, 317, 317, 317, 317, 318, 319, 320, 321, 321, 322, 322, 336

Rule	Anon Inner Length	
File		Line
SearchPanel		175

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Rule	Signature Declare Throws Exception	
File		Line
PublishSearchResultsTask		86

Rule	Unused Private Field	
File		Line
SearchPanel		85

Rule	Constructor Calls Overridable Method	
File		Line
SearchResultsListModel		49

8. uk.nhs.cfh.dsp.yasb.concept.panel

8.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
417	**29.4%**	**2.4**
4 packages	174 comment lines	15.0 /class
5 classes		75 decision points
31 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**
97.4%	**5**

8.2. Violations Analysis

Violations by category	
Maintainability	3
Reliability	2
Efficiency	0
Portability	0
Usability	0

Most violated rules	
Magic Number	2
Anon Inner Length	1

Signature Declare Throws Exception	1
Simplify Conditional	1

Most violated files

SnomedConceptRendererPanel	4
GenerateExpressionTask	1

Most complex files

SnomedConceptRendererPanel	24
SnomedXMLConceptTreeModel	20
SnomedConceptTreeModel	15
SnomedConceptExpressionTreeCellRenderer	12
GenerateExpressionTask	4

Most duplicated files

No duplications

8.3. Violations Details

Rule	Magic Number	
File		**Line**
SnomedConceptRendererPanel		178, 178

Rule	Anon Inner Length	
File		**Line**
SnomedConceptRendererPanel		115

Rule	Signature Declare Throws Exception	
File		**Line**
GenerateExpressionTask		53

Rule	Simplify Conditional	
File		**Line**
SnomedConceptRendererPanel		128

9. Concept Hierarchy Panel - uk.nhs.cfh.dsp.yasb.concept.hierarchy.panel

9.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
399	29.8%	2.5
4 packages	169 comment lines	14.0 /class
5 classes		70 decision points
28 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**
96.7%	5

9.2. Violations Analysis

Violations by category	
Maintainability	3
Reliability	1
Efficiency	0
Portability	0
Usability	1

Most violated rules	
Ncss Method Count	1

Constant Name	1
Compare Objects With Equals	1
Signature Declare Throws Exception	1
Unused private method	1

Most violated files

SnomedConceptHierarchyPanel	2
PopulateHierarchyTreeModelTask	1
SnomedConceptHierarchyTreeCellRenderer	1
SnomedConceptHierarchyTreeModel	1

Most complex files

SnomedConceptHierarchyTreeModel	32
SnomedConceptHierarchyPanel	27
SnomedConceptHierarchyTreeCellRenderer	9
PopulateHierarchyTreeModelTask	2

Most duplicated files

No duplications

9.3. Violations Details

Rule	Ncss Method Count	
File		Line
SnomedConceptHierarchyPanel		87

Rule	Constant Name	
File		Line
SnomedConceptHierarchyPanel		64

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Rule	Compare Objects With Equals	
File		Line
SnomedConceptHierarchyTreeModel		58

Rule	Signature Declare Throws Exception	
File		Line
PopulateHierarchyTreeModelTask		43

Rule	Unused private method	
File		Line
SnomedConceptHierarchyTreeCellRenderer		96

10. Expression Builder - uk.nhs.cfh.dsp.yasb.expression.builder

10.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
734	**30.4%**	**1.8**
4 packages	321 comment lines	12.9 /class
7 classes		90 decision points
51 methods		
10.6% 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
98.9%	**8**

10.2. Violations Analysis

Violations by category	
Maintainability	1
Reliability	6
Efficiency	0
Portability	0
Usability	1

Most violated rules	
Magic Number	6
Constant Name	1

Singular Field	1

Most violated files

ExpressionBuilderPanel	3
PropertyExpressionListCellRenderer	2
SnomedRelationshipPanel	2
SnomedRelationshipPropertyExpressionPanel	1

Most complex files

ExpressionBuilderPanel	26
PropertyExpressionListCellRenderer	17
SnomedRelationshipPanel	15
SnomedRelationshipPropertyExpressionPanel	11
ConceptPanel	8

Most duplicated files

PropertyExpressionListCellRenderer	78
SnomedRelationshipPanel	78

10.3. Violations Details

Rule	Magic Number	
File		**Line**
ExpressionBuilderPanel		152, 152
SnomedRelationshipPanel		165, 165
PropertyExpressionListCellRenderer		181, 181

Rule	Constant Name	
File		**Line**
ExpressionBuilderPanel		102

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Rule	Singular Field	
File		Line
SnomedRelationshipPropertyExpressionPanel		38

11. Expression Renderer - uk.nhs.cfh.dsp.yasb.expression.renderer

11.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
636	**27.8%**	**2.6**
4 packages	245 comment lines	15.4 /class
8 classes		123 decision points
47 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
98.6%	**5**

11.2. Violations Analysis

Violations by category	
Maintainability	3
Reliability	2
Efficiency	0
Portability	0
Usability	0

Most violated rules	
Magic Number	2

Singular Field	1
Signature Declare Throws Exception	1
Unused Private Field	1

Most violated files

ExpressionRenderingLabel	1
SnomedNormalFormExpressionTreeRendererPanel	1
SnomedPropertyExpressionTreeTableModel	1
DetailedCloseToUserExpressionPanel	1
GenerateExpressionTask	1

Most complex files

SnomedPropertyExpressionTreeTableModel	48
SnomedNormalFormExpressionTreeModel	23
SnomedNormalFormExpressionTreeCellRenderer	12
DetailedCloseToUserExpressionPanel	11
SnomedNormalFormExpressionTreeRendererPanel	10

Most duplicated files

No duplications

11.3. Violations Details

Rule	Magic Number	
File		Line
ExpressionRenderingLabel		43
SnomedPropertyExpressionTreeTableModel		39

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Rule	Singular Field	
File		Line
SnomedNormalFormExpressionTreeRendererPanel		39

Rule	Signature Declare Throws Exception	
File		Line
GenerateExpressionTask		58

Rule	Unused Private Field	
File		Line
DetailedCloseToUserExpressionPanel		31

12. Expression Renderer ViewComponent - uk.nhs.cfh.dsp.yasb.expression.renderer.viewcomponent

12.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
56	**37.8%**	**1.0**
1 packages	34 comment lines	4.0 /class
1 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**
100.0%	**0**

12.2. 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

SnomedExpressionTreeRendererViewComponent	4

Most duplicated files

No duplications

12.3. Violations Details

13. Expression Builder ViewComponent - uk.nhs.cfh.dsp.yasb.expression.builder.viewcomponent

13.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
84	**38.2%**	**1.0**
1 packages	52 comment lines	4.0 /class
1 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**
100.0%	**0**

13.2. Violations Analysis

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

Most violated rules
No violated rules

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Most violated files

No violated files

Most complex files

ExpressionBuilderViewComponent	4

Most duplicated files

No duplications

13.3. Violations Details

14. Concept Panel View Component - uk.nhs.cfh.dsp.yasb.concept.panel.viewcomponent

14.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
57	**16.2%**	**1.0**
1 packages	11 comment lines	3.0 /class
1 classes		3 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**
100.0%	**0**

14.2. 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

SnomedConceptRendererViewComponent	3

Most duplicated files

No duplications

14.3. Violations Details

15. Concept Hierarchy View Component - uk.nhs.cfh.dsp.yasb.concept.hierarchy.panel.viewcomponent

15.1. Report Overview

Static Analysis

Lines of code	Comments	Complexity
45	**40.0%**	**1.0**
1 packages	30 comment lines	3.0 /class
1 classes		3 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
100.0%	**0**

15.2. 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

| SnomedConceptHierarchyViewComponent | 3 |

Most duplicated files

No duplications

15.3. Violations Details