PMD Results

The following document contains the results of PMD   6.49.0.

Violations By Priority

Priority 1

jpass/crypt/Cbc.java

Rule	Violation	Line
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_buffer' is not final.	63
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_outBuffer' is not final.	73
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_outBufferUsed' is not final.	78
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_overflowUsed' is not final.	88

jpass/crypt/io/CryptInputStream.java

Rule	Violation	Line
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_buffer' is not final.	71
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_bufferUsed' is not final.	76
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_lastBufferRead' is not final.	87

jpass/data/DataModel.java

Rule	Violation	Line
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	43–174
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	43–174
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	45

jpass/ui/JPassFrame.java

Rule	Violation	Line
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	75

jpass/ui/MessageDialog.java

Rule	Violation	Line
ReturnEmptyCollectionRatherThanNull	Return an empty collection rather than null.	276

jpass/ui/SearchPanel.java

Rule	Violation	Line
ConstructorCallsOverridableMethod	Overridable method 'setVisible' called during object construction	116

jpass/ui/StatusPanel.java

Rule	Violation	Line
ConstructorCallsOverridableMethod	Overridable method 'setProcessing' called during object construction	56

jpass/ui/SvgImageIcon.java

Rule	Violation	Line
VariableNamingConventions	Variables that are final and static should be all capitals, 'svgUniverse' is not all capitals.	49

jpass/ui/helper/FileHelper.java

Rule	Violation	Line
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	127
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	175
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	235
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	306
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	308
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	348

jpass/util/ClipboardUtils.java

Rule	Violation	Line
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	71
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	84

jpass/util/Configuration.java

Rule	Violation	Line
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	46

jpass/util/SpringUtilities.java

Rule	Violation	Line
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	42–189
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	42–189

Priority 2

jpass/ui/JPassFrame.java

Rule	Violation	Line
SingleMethodSingleton	Class contains multiple getInstance methods. Please review.	71–351
SingleMethodSingleton	Class contains multiple getInstance methods. Please review.	71–351
AvoidUsingVolatile	Use of modifier volatile is not recommended.	94
AvoidUsingVolatile	Use of modifier volatile is not recommended.	94

jpass/ui/MessageDialog.java

Rule	Violation	Line
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	320
GuardDebugLogging	Logger calls should be surrounded by log level guards.	320
GuardLogStatement	Logger calls should be surrounded by log level guards.	320
GuardLogStatement	Logger calls should be surrounded by log level guards.	320

GuardLogStatement	Logger calls should be surrounded by log level guards.	327
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	327
GuardDebugLogging	Logger calls should be surrounded by log level guards.	327
GuardLogStatement	Logger calls should be surrounded by log level guards.	327

jpass/ui/SvgImageIcon.java

Rule	Violation	Line
GuardDebugLogging	Logger calls should be surrounded by log level guards.	73
GuardLogStatement	Logger calls should be surrounded by log level guards.	73
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	73
GuardLogStatement	Logger calls should be surrounded by log level guards.	73
AvoidReassigningParameters	Avoid reassigning parameters such as 'name'	80

jpass/util/Configuration.java

Rule	Violation	Line
GuardDebugLogging	Logger calls should be surrounded by log level guards.	83
GuardLogStatement	Logger calls should be surrounded by log level guards.	83
GuardLogStatement	Logger calls should be surrounded by log level guards.	83
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	83

jpass/util/DateUtils.java

Rule	Violation	Line
GuardLogStatement	Logger calls should be surrounded by log level guards.	49
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	49
GuardDebugLogging	Logger calls should be surrounded by log level guards.	49
GuardLogStatement	Logger calls should be surrounded by log level guards.	49
GuardLogStatement	Logger calls should be surrounded by log level guards.	65
GuardLogStatement	Logger calls should be surrounded by log level guards.	65
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	65
GuardDebugLogging	Logger calls should be surrounded by log level guards.	65

Priority 3

jpass/JPass.java

Rule	Violation	Line
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	50–78
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	50–78
CommentRequired	Field comments are required	52
CommentRequired	Public method and constructor comments are required	58–77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	62
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	72
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	76

jpass/crypt/Aes256.java

Rule	Violation	Line

TooManyMethods	This class has too many methods, consider refactoring it.	50–507
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	95
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	151
LocalVariableCouldBeFinal	Local variable 'tmp' could be declared final	227
AvoidArrayLoops	System.arraycopy is more efficient	228–230
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	245
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	272
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	290
ShortVariable	Avoid variables with short names like b	290
MethodArgumentCouldBeFinal	Parameter 'a' is not assigned and could be declared final	310
ShortVariable	Avoid variables with short names like a	310
ShortVariable	Avoid variables with short names like b	310
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	310
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	362
LocalVariableCouldBeFinal	Local variable 's0' could be declared final	363–364
ShortVariable	Avoid variables with short names like s0	363
ShortVariable	Avoid variables with short names like s1	365
LocalVariableCouldBeFinal	Local variable 's1' could be declared final	365–366
ShortVariable	Avoid variables with short names like s2	367
LocalVariableCouldBeFinal	Local variable 's2' could be declared final	367–368
ShortVariable	Avoid variables with short names like s3	369
LocalVariableCouldBeFinal	Local variable 's3' could be declared final	369–370
MethodArgumentCouldBeFinal	Parameter 'inBlock' is not assigned and could be declared final	397
MethodArgumentCouldBeFinal	Parameter 'outBlock' is not assigned and could be declared final	397
MethodArgumentCouldBeFinal	Parameter 'inIndex' is not assigned and could be declared final	397
MethodArgumentCouldBeFinal	Parameter 'outIndex' is not assigned and could be declared final	398
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	455
LocalVariableCouldBeFinal	Local variable 's0' could be declared final	456–457
ShortVariable	Avoid variables with short names like s0	456
LocalVariableCouldBeFinal	Local variable 's1' could be declared final	458–459
ShortVariable	Avoid variables with short names like s1	458
ShortVariable	Avoid variables with short names like s2	460
LocalVariableCouldBeFinal	Local variable 's2' could be declared final	460–461
LocalVariableCouldBeFinal	Local variable 's3' could be declared final	462–463
ShortVariable	Avoid variables with short names like s3	462
MethodArgumentCouldBeFinal	Parameter 'inBlock' is not assigned and could be declared final	490
MethodArgumentCouldBeFinal	Parameter 'outBlock' is not assigned and could be declared final	490
MethodArgumentCouldBeFinal	Parameter 'inIndex' is not assigned and could be declared final	490
MethodArgumentCouldBeFinal	Parameter 'outIndex' is not assigned and could be declared final	491

jpass/crypt/Cbc.java

Rule	Violation	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	53
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	58
RedundantFieldInitializer	Avoid using redundant field initializer for '_buffer'	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	68
RedundantFieldInitializer	Avoid using redundant field initializer for '_outBuffer'	73
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	73
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	78
RedundantFieldInitializer	Avoid using redundant field initializer for '_outBufferUsed'	78

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	90
CommentRequired	Field comments are required	90
ShortVariable	Avoid variables with short names like iv	99
MethodArgumentCouldBeFinal	Parameter 'output' is not assigned and could be declared final	99
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	99
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	99
MethodArgumentCouldBeFinal	Parameter 'inBuffer' is not assigned and could be declared final	118
MethodArgumentCouldBeFinal	Parameter 'outBuffer' is not assigned and could be declared final	118
MethodArgumentCouldBeFinal	Parameter 'inBuffer' is not assigned and could be declared final	131
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	147
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	159
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	173
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	173
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	196
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	196
LocalVariableCouldBeFinal	Local variable 'pad' could be declared final	220
LocalVariableCouldBeFinal	Local variable 'pad' could be declared final	244
LocalVariableCouldBeFinal	Local variable 'left' could be declared final	249

jpass/crypt/DecryptException.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	40–48

jpass/crypt/io/CryptInputStream.java

Rule	Violation	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	58
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	63
CommentRequired	Field comments are required	65
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	65
RedundantFieldInitializer	Avoid using redundant field initializer for '_buffer'	71
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	71
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	76
RedundantFieldInitializer	Avoid using redundant field initializer for '_bufferUsed'	76
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	81
RedundantFieldInitializer	Avoid using redundant field initializer for '_lastBufferRead'	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	87
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	96
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	96
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	96
ShortVariable	Avoid variables with short names like iv	96
CallSuperInConstructor	It is a good practice to call super() in a constructor	96–100
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	110
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	110
CallSuperInConstructor	It is a good practice to call super() in a constructor	110–123
LocalVariableCouldBeFinal	Local variable 'iv' could be declared final	112
ShortVariable	Avoid variables with short names like iv	112
LocalVariableCouldBeFinal	Local variable 'cur' could be declared final	115
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	147
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	151

LocalVariableCouldBeFinal	Local variable 'readed' could be declared final	153
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	160
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	160

jpass/crypt/io/CryptOutputStream.java

Rule	Violation	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	53
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	58
SingularField	Perhaps '_buffer' could be replaced by a local variable.	58
SingularField	Perhaps '_buffer' could be replaced by a local variable.	58
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	67
CallSuperInConstructor	It is a good practice to call super() in a constructor	67–69
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	67
ShortVariable	Avoid variables with short names like iv	67
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	67
CallSuperInConstructor	It is a good practice to call super() in a constructor	79–87
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	79
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	79
LocalVariableCouldBeFinal	Local variable 'iv' could be declared final	81
ShortVariable	Avoid variables with short names like iv	81
LocalVariableCouldBeFinal	Local variable 'rnd' could be declared final	82
ShortVariable	Avoid variables with short names like b	96
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	96
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	108
ShortVariable	Avoid variables with short names like b	108

jpass/data/DataModel.java

Rule	Violation	Line
CommentRequired	Field comments are required	45
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	45
CommentRequired	Field comments are required	47
CommentRequired	Field comments are required	48
RedundantFieldInitializer	Avoid using redundant field initializer for 'fileName'	48
CommentRequired	Field comments are required	49
RedundantFieldInitializer	Avoid using redundant field initializer for 'password'	49
RedundantFieldInitializer	Avoid using redundant field initializer for 'modified'	50
CommentRequired	Field comments are required	50
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	61–66
MethodReturnsInternalArray	Returning 'password' may expose an internal array.	123
MethodArgumentCouldBeFinal	Parameter 'password' is not assigned and could be declared final	126
ArrayIsStoredDirectly	The user-supplied array 'password' is stored directly.	127
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	135
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	136
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	157
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	158
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	167
LocalVariableCouldBeFinal	Local variable 'entryIndex' could be declared final	168
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	170

jpass/data/DocumentProcessException.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	38–43
MethodArgumentCouldBeFinal	Parameter 'message' is not assigned and could be declared final	40
CommentRequired	Public method and constructor comments are required	40–42

jpass/data/EntriesRepository.java

Rule	Violation	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	60
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	65
AvoidRethrowingException	A catch statement that catches an exception only to rethrow it should be avoided.	122–124
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	124
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	125
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	125
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	149
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	150
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	150

jpass/ui/CopiablePasswordField.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	40–52
CommentRequired	Field comments are required	42
MethodArgumentCouldBeFinal	Parameter 'copyEnabled' is not assigned and could be declared final	44
CommentRequired	Public method and constructor comments are required	44–47

jpass/ui/EntryDetailsTable.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	51–142
CommentRequired	Field comments are required	52–53
CommentRequired	Enum comments are required	55–77
CommentRequired	Field comments are required	62
CommentRequired	Field comments are required	63
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	65–68
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	65–68
UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	65–68
MethodArgumentCouldBeFinal	Parameter 'description' is not assigned and could be declared final	65
MethodArgumentCouldBeFinal	Parameter 'valueMapper' is not assigned and could be declared final	65
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	74
CommentRequired	Public method and constructor comments are required	74–76
CommentRequired	Field comments are required	79–80
CommentRequired	Field comments are required	82–86
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	88
CommentRequired	Field comments are required	88
CommentRequired	Field comments are required	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	89
CommentRequired	Public method and constructor comments are required	91–111

MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	114
MethodArgumentCouldBeFinal	Parameter 'column' is not assigned and could be declared final	114
MethodArgumentCouldBeFinal	Parameter 'renderer' is not assigned and could be declared final	119
MethodArgumentCouldBeFinal	Parameter 'column' is not assigned and could be declared final	119
MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	119
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	120
LocalVariableCouldBeFinal	Local variable 'rendererWidth' could be declared final	122
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	122
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	123
LocalVariableCouldBeFinal	Local variable 'tableColumn' could be declared final	123
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	124
CommentRequired	Public method and constructor comments are required	129–131
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	133
CommentRequired	Public method and constructor comments are required	133–137
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	134–136
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	134–136
CommentRequired	Public method and constructor comments are required	139–141

jpass/ui/EntryDialog.java

Rule	Violation	Line
StdCyclomaticComplexity	The class 'EntryDialog' has a Standard Cyclomatic Complexity of 6 (Highest = 11).	65–301
ModifiedCyclomaticComplexity	The class 'EntryDialog' has a Modified Cyclomatic Complexity of 6 (Highest = 11).	65–301
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	65–301
TooManyFields	Too many fields	65–301
CommentRequired	Field comments are required	67
SingularField	Perhaps 'fieldPanel' could be replaced by a local variable.	69
SingularField	Perhaps 'fieldPanel' could be replaced by a local variable.	69
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	69
CommentRequired	Field comments are required	69
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	70
SingularField	Perhaps 'notesPanel' could be replaced by a local variable.	70
CommentRequired	Field comments are required	70
SingularField	Perhaps 'notesPanel' could be replaced by a local variable.	70
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	71
CommentRequired	Field comments are required	71
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	71
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	71
CommentRequired	Field comments are required	72
SingularField	Perhaps 'passwordButtonPanel' could be replaced by a local variable.	72
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	72
LongVariable	Avoid excessively long variable names like passwordButtonPanel	72
SingularField	Perhaps 'passwordButtonPanel' could be replaced by a local variable.	72
CommentRequired	Field comments are required	74
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	74
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	75
CommentRequired	Field comments are required	75
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	76
CommentRequired	Field comments are required	76
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	77
CommentRequired	Field comments are required	77
CommentRequired	Field comments are required	78

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	78
CommentRequired	Field comments are required	79
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	79
CommentRequired	Field comments are required	81
SingularField	Perhaps 'okButton' could be replaced by a local variable.	81
SingularField	Perhaps 'okButton' could be replaced by a local variable.	81
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	81
CommentRequired	Field comments are required	82
SingularField	Perhaps 'cancelButton' could be replaced by a local variable.	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	82
SingularField	Perhaps 'cancelButton' could be replaced by a local variable.	82
CommentRequired	Field comments are required	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	83
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	84
CommentRequired	Field comments are required	84
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	85
SingularField	Perhaps 'copyButton' could be replaced by a local variable.	85
SingularField	Perhaps 'copyButton' could be replaced by a local variable.	85
CommentRequired	Field comments are required	85
CommentRequired	Field comments are required	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	89
CommentRequired	Field comments are required	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	91
CommentRequired	Field comments are required	91
CommentRequired	Field comments are required	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	93
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	103
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	103
MethodArgumentCouldBeFinal	Parameter 'newEntry' is not assigned and could be declared final	103
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	103
NcssCount	The constructor 'EntryDialog(JPassFrame, String, Entry, boolean)' has a NCSS line count of 69.	103–191
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	108
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	194–225
StdCyclomaticComplexity	The method 'actionPerformed' has a Standard Cyclomatic Complexity of 11.	194–225
ShortVariable	Avoid variables with short names like e	194
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	194
ModifiedCyclomaticComplexity	The method 'actionPerformed' has a Modified Cyclomatic Complexity of 11.	194–225
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	194–225
LocalVariableCouldBeFinal	Local variable 'command' could be declared final	195
InefficientEmptyStringCheck	String.trim().length() == 0 / String.trim().isEmpty() is an inefficient way to validate a blank String.	200
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	202
ConfusingTernary	Avoid if (x != y) ..; else ..;	203–209
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	205
LocalVariableCouldBeFinal	Local variable 'gpd' could be declared final	215
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	216–221
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	216–221
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	232

NPathComplexity	The method 'fillDialogFromEntry(Entry)' has an NPath complexity of 256, current threshold is 200	232–244
CyclomaticComplexity	The method 'getEntryFromDialog()' has a cyclomatic complexity of 11.	251–267
NPathComplexity	The method 'getEntryFromDialog()' has an NPath complexity of 243, current threshold is 200	251–267
CyclomaticComplexity	The method 'getEntryFromDialog()' has a cyclomatic complexity of 11.	251–267
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	252
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	254
LocalVariableCouldBeFinal	Local variable 'user' could be declared final	255
LocalVariableCouldBeFinal	Local variable 'password' could be declared final	256
LocalVariableCouldBeFinal	Local variable 'url' could be declared final	257
LocalVariableCouldBeFinal	Local variable 'notes' could be declared final	258
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	260
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	260
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	261
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	261
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	262
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	262
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	263
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	263
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	264
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	264
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	286
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	291
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	292
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	292
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	292

jpass/ui/GeneratePasswordDialog.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	63–258
StdCyclomaticComplexity	The class 'GeneratePasswordDialog' has a Standard Cyclomatic Complexity of 4 (Highest = 11).	63–258
ModifiedCyclomaticComplexity	The class 'GeneratePasswordDialog' has a Modified Cyclomatic Complexity of 4 (Highest = 11).	63–258
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	79
CommentRequired	Field comments are required	79
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	80
CommentRequired	Field comments are required	80
LongVariable	Avoid excessively long variable names like customSymbolsCheck	80
LongVariable	Avoid excessively long variable names like customSymbolsField	82
CommentRequired	Field comments are required	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	83
CommentRequired	Field comments are required	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	85
SingularField	Perhaps 'lengthLabel' could be replaced by a local variable.	85
CommentRequired	Field comments are required	85
SingularField	Perhaps 'lengthLabel' could be replaced by a local variable.	85
CommentRequired	Field comments are required	86

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	86
SingularField	Perhaps 'lengthPanel' could be replaced by a local variable.	88
SingularField	Perhaps 'lengthPanel' could be replaced by a local variable.	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	88
CommentRequired	Field comments are required	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	89
SingularField	Perhaps 'charactersPanel' could be replaced by a local variable.	89
CommentRequired	Field comments are required	89
SingularField	Perhaps 'charactersPanel' could be replaced by a local variable.	89
SingularField	Perhaps 'passwordPanel' could be replaced by a local variable.	90
CommentRequired	Field comments are required	90
SingularField	Perhaps 'passwordPanel' could be replaced by a local variable.	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	91
CommentRequired	Field comments are required	91
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	91
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	91
CommentRequired	Field comments are required	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	94
CommentRequired	Field comments are required	94
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	95
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	95
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	95
CommentRequired	Field comments are required	95
CommentRequired	Field comments are required	97
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	97
CommentRequired	Field comments are required	99
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	99
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	106
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	116
NcssCount	The method 'initDialog(Component, boolean)' has a NCSS line count of 64.	129–210
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	133
LongVariable	Avoid excessively long variable names like passwordGenerationLength	139
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	139
AvoidLiteralsInIfCondition	Avoid using Literals in Conditional Statements	140
AvoidLiteralsInIfCondition	Avoid using Literals in Conditional Statements	143
AvoidInstantiatingObjectsInLoops	Avoid instantiating new objects inside loops	155
LongVariable	Avoid excessively long variable names like generateButtonPanel	178
LocalVariableCouldBeFinal	Local variable 'generateButtonPanel' could be declared final	178
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	201
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	202
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	203
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	216–253
StdCyclomaticComplexity	The method 'actionPerformed' has a Standard Cyclomatic Complexity of 11.	216–253
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	216–253
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	216

ShortVariable	Avoid variables with short names like e	216
ModifiedCyclomaticComplexity	The method 'actionPerformed' has a Modified Cyclomatic Complexity of 11.	216–253
LocalVariableCouldBeFinal	Local variable 'command' could be declared final	217
UseStringBufferForStringAppends	Prefer StringBuilder (non-synchronized) or StringBuffer (synchronized) over += for concatenating strings	224
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	232
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	234
LocalVariableCouldBeFinal	Local variable 'generated' could be declared final	237
LocalVariableCouldBeFinal	Local variable 'passwordLength' could be declared final	238
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	240
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	240

jpass/ui/JPassFrame.java

Rule	Violation	Line
TooManyStaticImports	Too many static imports may lead to messy code	29–351
ExcessiveImports	A high number of imports can indicate a high degree of coupling within an object.	29–351
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	71–351
CommentRequired	Field comments are required	73
CommentRequired	Field comments are required	75
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	75
CommentRequired	Field comments are required	77
CommentRequired	Field comments are required	78
CommentRequired	Field comments are required	80
SingularField	Perhaps 'topContainerPanel' could be replaced by a local variable.	81
CommentRequired	Field comments are required	81
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	81
SingularField	Perhaps 'topContainerPanel' could be replaced by a local variable.	81
SingularField	Perhaps 'jpassMenuBar' could be replaced by a local variable.	82
CommentRequired	Field comments are required	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	82
SingularField	Perhaps 'jpassMenuBar' could be replaced by a local variable.	82
CommentRequired	Field comments are required	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	84
SingularField	Perhaps 'fileMenu' could be replaced by a local variable.	84
CommentRequired	Field comments are required	84
SingularField	Perhaps 'fileMenu' could be replaced by a local variable.	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	85
CommentRequired	Field comments are required	85
SingularField	Perhaps 'editMenu' could be replaced by a local variable.	85
SingularField	Perhaps 'editMenu' could be replaced by a local variable.	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	86
CommentRequired	Field comments are required	86
SingularField	Perhaps 'toolsMenu' could be replaced by a local variable.	86
SingularField	Perhaps 'toolsMenu' could be replaced by a local variable.	86
SingularField	Perhaps 'helpMenu' could be replaced by a local variable.	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	87
SingularField	Perhaps 'helpMenu' could be replaced by a local variable.	87
CommentRequired	Field comments are required	87

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	88
SingularField	Perhaps 'toolBar' could be replaced by a local variable.	88
SingularField	Perhaps 'toolBar' could be replaced by a local variable.	88
CommentRequired	Field comments are required	88
SingularField	Perhaps 'scrollPane' could be replaced by a local variable.	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	89
CommentRequired	Field comments are required	89
SingularField	Perhaps 'scrollPane' could be replaced by a local variable.	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	91
CommentRequired	Field comments are required	91
CommentRequired	Field comments are required	92
CommentRequired	Field comments are required	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	93
RedundantFieldInitializer	Avoid using redundant field initializer for 'processing'	94
CommentRequired	Field comments are required	94
NcssCount	The constructor 'JPassFrame(String)' has a NCSS line count of 93.	96–211
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	96
ExcessiveMethodLength	Avoid really long methods.	96–211
CallSuperInConstructor	It is a good practice to call super() in a constructor	96–211
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	99
CommentRequired	Public method and constructor comments are required	213–215
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	217
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	217–222
CommentRequired	Public method and constructor comments are required	217–222
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	254
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	255
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	255
MethodArgumentCouldBeFinal	Parameter 'selectTitle' is not assigned and could be declared final	264
LocalVariableCouldBeFinal	Local variable 'entries' could be declared final	266
LocalVariableCouldBeFinal	Local variable 'searchCriteria' could be declared final	268
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	269–271
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	269–271
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	270
LocalVariableCouldBeFinal	Local variable 'index' could be declared final	274
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	278
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	297
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	301
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	304
DoNotCallSystemExit	System.exit() should not be used in J2EE/JEE apps	306
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	307
DoNotCallSystemExit	System.exit() should not be used in J2EE/JEE apps	312
MethodArgumentCouldBeFinal	Parameter 'processing' is not assigned and could be declared final	324
LocalVariableCouldBeFinal	Local variable 'actionType' could be declared final	326
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	327

jpass/ui/MessageDialog.java

Rule	Violation	Line
ExcessiveImports	A high number of imports can indicate a high degree of coupling within an object.	29–350
TooManyMethods	This class has too many methods, consider refactoring it.	72–350
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	72–350
CommentRequired	Field comments are required	74
CommentRequired	Field comments are required	76
CommentRequired	Field comments are required	77
LongVariable	Avoid excessively long variable names like YES_NO_CANCEL_OPTION	78
CommentRequired	Field comments are required	78
CommentRequired	Field comments are required	79
CommentRequired	Field comments are required	81
CommentRequired	Field comments are required	82
CommentRequired	Field comments are required	83
CommentRequired	Field comments are required	84
CommentRequired	Field comments are required	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	87
CommentRequired	Field comments are required	87
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	89
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	89
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	94
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	94
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	99
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	99
LocalVariableCouldBeFinal	Local variable 'buttonPanel' could be declared final	105
AvoidDuplicateLiterals	The String literal "accept" appears 4 times in this file; the first occurrence is on line 109	109
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	129
LocalVariableCouldBeFinal	Local variable 'mainPanel' could be declared final	131
LocalVariableCouldBeFinal	Local variable 'messagePanel' could be declared final	134
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	144–145
LocalVariableCouldBeFinal	Local variable 'image' could be declared final	150
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	157
MethodArgumentCouldBeFinal	Parameter 'option' is not assigned and could be declared final	165
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	165
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	165
LocalVariableCouldBeFinal	Local variable 'button' could be declared final	166
MethodArgumentCouldBeFinal	Parameter 'event' is not assigned and could be declared final	178
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	183
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	187
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	187
LocalVariableCouldBeFinal	Local variable 'panel' could be declared final	251
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	266
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	268
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	276
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	283
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	298
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	300
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	301
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	309
LocalVariableCouldBeFinal	Local variable 'builder' could be declared final	310
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	313

LocalVariableCouldBeFinal	Local variable 'is' could be declared final	313
UseProperClassLoader	In J2EE, getClassLoader() might not work as expected. Use Thread.currentThread().getContextClassLoader() instead.	313
ShortVariable	Avoid variables with short names like is	313
CloseResource	Ensure that resources like this InputStream object are closed after use	313
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	313
CloseResource	Ensure that resources like this InputStream object are closed after use	313
AssignmentInOperand	Avoid assignments in operands	316
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	319
LocalVariableCouldBeFinal	Local variable 'area' could be declared final	341
LocalVariableCouldBeFinal	Local variable 'scrollPane' could be declared final	346

jpass/ui/SearchPanel.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	56–158
CommentRequired	Field comments are required	58
LongVariable	Avoid excessively long variable names like CLOSE_BUTTON_ACTION_COMMAND	58
CommentRequired	Field comments are required	59
LongVariable	Avoid excessively long variable names like SEARCH_PANEL_CLOSE_ACTION	59
CommentRequired	Field comments are required	61
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	61
CommentRequired	Field comments are required	62
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	62
CommentRequired	Field comments are required	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	63
MethodArgumentCouldBeFinal	Parameter 'searchCallback' is not assigned and could be declared final	70
ShortVariable	Avoid variables with short names like e	81
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	81
ShortVariable	Avoid variables with short names like e	86
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	86
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	91
ShortVariable	Avoid variables with short names like e	91
LocalVariableCouldBeFinal	Local variable 'closeAction' could be declared final	103–108
ShortVariable	Avoid variables with short names like e	105
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	105
MethodArgumentCouldBeFinal	Parameter 'visible' is not assigned and could be declared final	120
MethodArgumentCouldBeFinal	Parameter 'enabled' is not assigned and could be declared final	130
ShortVariable	Avoid variables with short names like e	138
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	138
LocalVariableCouldBeFinal	Local variable 'command' could be declared final	139

jpass/ui/StatusPanel.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	44–72
CommentRequired	Field comments are required	46
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	46
CommentRequired	Field comments are required	47
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	47
CommentRequired	Public method and constructor comments are required	49–57
CommentRequired	Public method and constructor comments are required	59–61
CommentRequired	Public method and constructor comments are required	63–65

| CommentRequired | Public method and constructor comments are required | 67–71 |
| MethodArgumentCouldBeFinal | Parameter 'processing' is not assigned and could be declared final | 67 |

jpass/ui/SvgImageIcon.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	45–172
CommentRequired	Field comments are required	46
CommentRequired	Field comments are required	49
CommentRequired	Field comments are required	51
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	51
CommentRequired	Field comments are required	52
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	52
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	53
CommentRequired	Field comments are required	53
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	55
CallSuperInConstructor	It is a good practice to call super() in a constructor	55–57
CommentRequired	Public method and constructor comments are required	55–57
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	72
MethodArgumentCouldBeFinal	Parameter 'dark' is not assigned and could be declared final	77
LocalVariableCouldBeFinal	Local variable 'dotIndex' could be declared final	79
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	82
UseProperClassLoader	In J2EE, getClassLoader() might not work as expected. Use Thread.currentThread().getContextClassLoader() instead.	82
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	82
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	98
ShortVariable	Avoid variables with short names like c	98
MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	98
MethodArgumentCouldBeFinal	Parameter 'c' is not assigned and could be declared final	98
ShortVariable	Avoid variables with short names like g	98
ShortVariable	Avoid variables with short names like x	98
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	98
ShortVariable	Avoid variables with short names like y	98
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	98–115
LocalVariableCouldBeFinal	Local variable 'clipBounds' could be declared final	101
LocalVariableCouldBeFinal	Local variable 'g2' could be declared final	106
ShortVariable	Avoid variables with short names like g2	106
ShortVariable	Avoid variables with short names like g	117
MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	117
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	117
ShortVariable	Avoid variables with short names like x	117
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	117
ShortVariable	Avoid variables with short names like y	117
ShortVariable	Avoid variables with short names like x	139
ShortVariable	Avoid variables with short names like g	139
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	139
ShortVariable	Avoid variables with short names like y	139
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	139
MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	139
LocalVariableCouldBeFinal	Local variable 'image' could be declared final	148
LocalVariableCouldBeFinal	Local variable 'g' could be declared final	149

ShortVariable	Avoid variables with short names like g	149
FieldDeclarationsShouldBeAtStartOfClass	Fields should be declared at the top of the class, before any method declarations, constructors, initializers or inner classes.	158
CommentRequired	Field comments are required	158
LocalVariableCouldBeFinal	Local variable 'lookAndFeel' could be declared final	169

jpass/ui/TextComponentFactory.java

Rule	Violation	Line
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	65
LocalVariableCouldBeFinal	Local variable 'textField' could be declared final	66
MethodArgumentCouldBeFinal	Parameter 'copyEnabled' is not assigned and could be declared final	87
LocalVariableCouldBeFinal	Local variable 'passwordField' could be declared final	88
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	109
LocalVariableCouldBeFinal	Local variable 'textArea' could be declared final	110

jpass/ui/action/AbstractMenuAction.java

Rule	Violation	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	41–57
MethodArgumentCouldBeFinal	Parameter 'accelerator' is not assigned and could be declared final	50
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	50
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	50

jpass/ui/action/CloseListener.java

Rule	Violation	Line
AtLeastOneConstructor	Each class should declare at least one constructor	42–55
MethodArgumentCouldBeFinal	Parameter 'event' is not assigned and could be declared final	50

jpass/ui/action/MenuActionType.java

Rule	Violation	Line
TooManyStaticImports	Too many static imports may lead to messy code	29–244
ShortVariable	Avoid variables with short names like ev	65
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	65
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	71
ShortVariable	Avoid variables with short names like ev	71
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	77
ShortVariable	Avoid variables with short names like ev	77
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	83
ShortVariable	Avoid variables with short names like ev	83
ShortVariable	Avoid variables with short names like ev	89
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	89
ShortVariable	Avoid variables with short names like ev	95
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	95
ShortVariable	Avoid variables with short names like ev	101
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	101
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	102
LocalVariableCouldBeFinal	Local variable 'password' could be declared final	103
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	107
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	108
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	117

ShortVariable	Avoid variables with short names like ev	117
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	123
ShortVariable	Avoid variables with short names like ev	123
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	124
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	129
ShortVariable	Avoid variables with short names like ev	129
ShortVariable	Avoid variables with short names like sb	130
LocalVariableCouldBeFinal	Local variable 'sb' could be declared final	130
InsufficientStringBufferDeclaration	StringBuilder has been initialized with size 16, but has at least 77 characters appended.	130
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	131
InefficientStringBuffering	Avoid concatenating nonliterals in a StringBuffer/StringBuilder constructor or append().	131
ConsecutiveLiteralAppends	StringBuffer (or StringBuilder).append is called 5 consecutive times with literals. Use a single append with a single combined String.	131
InefficientStringBuffering	Avoid concatenating nonliterals in a StringBuffer/StringBuilder constructor or append().	132
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	132
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	133
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	134
AppendCharacterWithChar	Avoid appending characters as strings in StringBuffer.append.	134
AppendCharacterWithChar	Avoid appending characters as strings in StringBuffer.append.	135
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	135
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	135
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	136
ShortVariable	Avoid variables with short names like ev	142
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	142
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	148
ShortVariable	Avoid variables with short names like ev	148
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	154
ShortVariable	Avoid variables with short names like ev	154
ShortVariable	Avoid variables with short names like ev	160
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	160
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	166
ShortVariable	Avoid variables with short names like ev	166
ShortVariable	Avoid variables with short names like ev	172
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	172
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	173
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	174
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	182
ShortVariable	Avoid variables with short names like ev	182
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	183
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	184
ShortVariable	Avoid variables with short names like ev	192
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	192
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	193
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	194
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	202
ShortVariable	Avoid variables with short names like ev	202
ShortVariable	Avoid variables with short names like ev	208
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	208

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	209
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	209
CommentRequired	Field comments are required	213
CommentRequired	Field comments are required	214
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	216–219
MethodArgumentCouldBeFinal	Parameter 'action' is not assigned and could be declared final	216
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	216–219
UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	216–219
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	217
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	217
CommentRequired	Public method and constructor comments are required	229–231
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	233
CommentRequired	Public method and constructor comments are required	233–243
LocalVariableCouldBeFinal	Local variable 'actionMap' could be declared final	234
LocalVariableCouldBeFinal	Local variable 'inputMap' could be declared final	235
LocalVariableCouldBeFinal	Local variable 'type' could be declared final	236
LocalVariableCouldBeFinal	Local variable 'acc' could be declared final	238

jpass/ui/action/TableListener.java

Rule	Violation	Line
AtLeastOneConstructor	Each class should declare at least one constructor	47–109
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	56
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	57
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	72
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	83
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	92
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	93
LocalVariableCouldBeFinal	Local variable 'table' could be declared final	97
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	97
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	98
LocalVariableCouldBeFinal	Local variable 'point' could be declared final	99
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	100
LocalVariableCouldBeFinal	Local variable 'rowAtPoint' could be declared final	100
AvoidDeeplyNestedIfStmts	Deeply nested if..then statements are hard to read	101–103
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	102
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	105

jpass/ui/action/TextComponentAction.java

Rule	Violation	Line
AbstractNaming	Abstract classes should be named AbstractXXX	35–46
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	35–46
CommentRequired	Class comments are required	35–46
MethodArgumentCouldBeFinal	Parameter 'accelerator' is not assigned and could be declared final	37
CommentRequired	Public method and constructor comments are required	37–43
MethodArgumentCouldBeFinal	Parameter 'mnemonic' is not assigned and could be declared final	37
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	37
CommentRequired	Public method and constructor comments are required	45

jpass/ui/action/TextComponentActionType.java

Rule	Violation	Line
ShortVariable	Avoid variables with short names like e	57
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	57
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	58
EmptyCatchBlock	Avoid empty catch blocks	62–64
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	62
EmptyCatchBlock	Avoid empty catch blocks	62–64
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	70
ShortVariable	Avoid variables with short names like e	81
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	81
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	82
EmptyCatchBlock	Avoid empty catch blocks	86–88
EmptyCatchBlock	Avoid empty catch blocks	86–88
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	86
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	93
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	103
ShortVariable	Avoid variables with short names like e	103
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	104
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	111
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 12.	118–144
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	118
ShortVariable	Avoid variables with short names like e	118
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 12.	118–144
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	120
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	120
LocalVariableCouldBeFinal	Local variable 'doc' could be declared final	122
LocalVariableCouldBeFinal	Local variable 'caret' could be declared final	123
LocalVariableCouldBeFinal	Local variable 'dot' could be declared final	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	124
LocalVariableCouldBeFinal	Local variable 'mark' could be declared final	125
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	125
ConfusingTernary	Avoid if (x != y) ..; else ..;	126–139
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	127
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	128
AvoidDeeplyNestedIfStmts	Deeply nested if..then statements are hard to read	130–137
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	130
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	131
LocalVariableCouldBeFinal	Local variable 'dotChars' could be declared final	131
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	132
ShortVariable	Avoid variables with short names like c0	132
LocalVariableCouldBeFinal	Local variable 'c0' could be declared final	132
LocalVariableCouldBeFinal	Local variable 'c1' could be declared final	133
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	133
ShortVariable	Avoid variables with short names like c1	133
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	138
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	140
EmptyCatchBlock	Avoid empty catch blocks	140–142
EmptyCatchBlock	Avoid empty catch blocks	140–142
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	147

ShortVariable	Avoid variables with short names like e	154
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	154
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	155
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	163
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	171
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	178
ShortVariable	Avoid variables with short names like e	178
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	179
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	186
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	193
CommentRequired	Field comments are required	199
CommentRequired	Field comments are required	200
MethodArgumentCouldBeFinal	Parameter 'action' is not assigned and could be declared final	202
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	202–205
UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	202–205
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	202–205
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	203
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	203
CommentRequired	Public method and constructor comments are required	215–217
CommentRequired	Public method and constructor comments are required	219–229
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	219
LocalVariableCouldBeFinal	Local variable 'actionMap' could be declared final	220
LocalVariableCouldBeFinal	Local variable 'inputMap' could be declared final	221
LocalVariableCouldBeFinal	Local variable 'type' could be declared final	222
LocalVariableCouldBeFinal	Local variable 'acc' could be declared final	224

jpass/ui/action/TextComponentPopupListener.java

Rule	Violation	Line
TooManyStaticImports	Too many static imports may lead to messy code	29–98
CommentRequired	Field comments are required	58
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	58
CommentRequired	Field comments are required	59
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	59
CallSuperInConstructor	It is a good practice to call super() in a constructor	61–77
CommentRequired	Public method and constructor comments are required	61–77
ShortVariable	Avoid variables with short names like e	79
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	79
LocalVariableCouldBeFinal	Local variable 'textComponent' could be declared final	81
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	82
ShortVariable	Avoid variables with short names like e	90
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	90
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	95
ShortVariable	Avoid variables with short names like e	95

jpass/ui/action/Worker.java

Rule	Violation	Line
AbstractNaming	Abstract classes should be named AbstractXXX	43–98
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	48
CallSuperInConstructor	It is a good practice to call super() in a constructor	55–58
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	71
ShortVariable	Avoid variables with short names like e	81
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	84

jpass/ui/helper/EntryHelper.java

Rule	Violation	Line
TooManyStaticImports	Too many static imports may lead to messy code	29–161
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	59
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	60
AvoidDuplicateLiterals	The String literal "Please select an entry." appears 4 times in this file; the first occurrence is on line 61	61
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	64
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	66
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	66
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	66
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	68
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	79
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	80
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	84
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	84
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	84
LocalVariableCouldBeFinal	Local variable 'originalEntry' could be declared final	85
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	85
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	86
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	87–92
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	100
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	101
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	105
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	106
LocalVariableCouldBeFinal	Local variable 'originalEntry' could be declared final	106
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	107
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	108–115
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	123
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	124
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	125–130
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	139
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	140
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	142
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	144
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	144
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	144
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	145

MethodArgumentCouldBeFinal	Parameter 'content' is not assigned and could be declared final	154
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	154
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	157

jpass/ui/helper/FileHelper.java

Rule	Violation	Line
TooManyStaticImports	Too many static imports may lead to messy code	29–420
StdCyclomaticComplexity	The class 'FileHelper' has a Standard Cyclomatic Complexity of 5 (Highest = 11).	59–420
ModifiedCyclomaticComplexity	The class 'FileHelper' has a Modified Cyclomatic Complexity of 5 (Highest = 11).	59–420
TooManyMethods	This class has too many methods, consider refactoring it.	59–420
LongVariable	Avoid excessively long variable names like SAVE_MODIFIED_QUESTION_MESSAGE	60
CommentRequired	Field comments are required	60–62
LongVariable	Avoid excessively long variable names like UNENCRYPTED_DATA_WARNING_MESSAGE	63
CommentRequired	Field comments are required	63–65
LongVariable	Avoid excessively long variable names like OPEN_ERROR_CHECK_PASSWORD_WARNING_MESSAGE	66
CommentRequired	Field comments are required	66–67
CommentRequired	Field comments are required	68–69
LongVariable	Avoid excessively long variable names like CREATE_FILE_QUESTION_MESSAGE	68
CommentRequired	Field comments are required	70–71
LongVariable	Avoid excessively long variable names like OPERATION_ERROR_MESSAGE	70
LongVariable	Avoid excessively long variable names like FILE_OVERWRITE_QUESTION_MESSAGE	72
CommentRequired	Field comments are required	72–73
CommentRequired	Field comments are required	75
CommentRequired	Field comments are required	76
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	88
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	89
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	96
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	102
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	113
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	115
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	117
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	121–131
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	125
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	125
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	126–128
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	126–128
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	127
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	127
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	141
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	143
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	145
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	146
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	147

OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	150
CommentDefaultAccessModifier	To avoid mistakes add a comment at the beginning of the importFileInBackground method if you want a default access modifier	164–181
DefaultPackage	Use explicit scoping instead of the default package private level	164–181
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	165–179
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	169
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	169
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	170
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	171
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	172
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	173
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	174–176
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	174–176
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	175
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	175
ModifiedCyclomaticComplexity	The method 'saveFile' has a Modified Cyclomatic Complexity of 11.	202–256
StdCyclomaticComplexity	The method 'saveFile' has a Standard Cyclomatic Complexity of 11.	202–256
AvoidFinalLocalVariable	Avoid using final local variables, turn them into fields	203
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	204
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	205
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	207
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	209
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	211
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	214
AvoidFinalLocalVariable	Avoid using final local variables, turn them into fields	217
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	218
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	224
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	226–254
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	230
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	230
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	231
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	232
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	233
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	234–236
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	234–236
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	235
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	235
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	246
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	266
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	268
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	269
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	272
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	277
StdCyclomaticComplexity	The method 'openFileInBackground' has a Standard Cyclomatic Complexity of 10.	286–328
ModifiedCyclomaticComplexity	The method 'openFileInBackground' has a Modified Cyclomatic Complexity of 10.	286–328
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	289
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	295–326
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	299

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	299
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	300
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	301
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	302
AvoidRethrowingException	A catch statement that catches an exception only to rethrow it should be avoided.	303–305
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	306
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	306
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	307–309
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	307–309
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	308
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	308
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	318
DefaultPackage	Use explicit scoping instead of the default package private level	337–355
CommentDefaultAccessModifier	To avoid mistakes add a comment at the beginning of the handleFileNotFound method if you want a default access modifier	337–355
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	338
LocalVariableCouldBeFinal	Local variable 'fileNotFoundWorker' could be declared final	340–352
LongVariable	Avoid excessively long variable names like fileNotFoundWorker	340
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	344
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	344
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	345
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	346
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	347
AvoidThrowingNewInstanceOfSameException	A catch statement that catches an exception only to wrap it in a new instance of the same type of exception and throw it should be avoided	347–349
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	348
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	348
MethodArgumentCouldBeFinal	Parameter 'description' is not assigned and could be declared final	366
MethodArgumentCouldBeFinal	Parameter 'taskName' is not assigned and could be declared final	366
MethodArgumentCouldBeFinal	Parameter 'extension' is not assigned and could be declared final	366
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	366
LocalVariableCouldBeFinal	Local variable 'fc' could be declared final	368
ShortVariable	Avoid variables with short names like fc	368
ShortVariable	Avoid variables with short names like f	371
MethodArgumentCouldBeFinal	Parameter 'f' is not assigned and could be declared final	371
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	372
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	372
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	372
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	372
LocalVariableCouldBeFinal	Local variable 'returnVal' could be declared final	380
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	394
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	394
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	396
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	398
LocalVariableCouldBeFinal	Local variable 'separator' could be declared final	414
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	415
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	415
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	415
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	416

jpass/util/ClipboardUtils.java

Rule	Violation	Line
MethodArgumentCouldBeFinal	Parameter 'str' is not assigned and could be declared final	62
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	62
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	62
LocalVariableCouldBeFinal	Local variable 'selection' could be declared final	68
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	69
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	70–72
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	70–72
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	71
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	71
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	80
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	80
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	82
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	82
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	83–85
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	83–85
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	84
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	84
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	96
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	96
LocalVariableCouldBeFinal	Local variable 'contents' could be declared final	96
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	97
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	98
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	100–102
EmptyCatchBlock	Avoid empty catch blocks	100–102
EmptyCatchBlock	Avoid empty catch blocks	100–102
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	100–102
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	103
MethodArgumentCouldBeFinal	Parameter 'flavor' is not assigned and could be declared final	121
MethodArgumentCouldBeFinal	Parameter 'flavor' is not assigned and could be declared final	126
MethodArgumentCouldBeFinal	Parameter 'clipboard' is not assigned and could be declared final	131
MethodArgumentCouldBeFinal	Parameter 'contents' is not assigned and could be declared final	131

jpass/util/Configuration.java

Rule	Violation	Line
CommentRequired	Field comments are required	45
CommentRequired	Field comments are required	46
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	46
CommentRequired	Field comments are required	47
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	47
ImmutableField	Private field 'properties' could be made final; it is only initialized in the declaration or constructor.	47
LocalVariableCouldBeFinal	Local variable 'filePath' could be declared final	51
LocalVariableCouldBeFinal	Local variable 'is' could be declared final	53
CloseResource	Ensure that resources like this FileInputStream object are closed after use	53
ShortVariable	Avoid variables with short names like is	53
CloseResource	Ensure that resources like this FileInputStream object are closed after use	53
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	57
LongVariable	Avoid excessively long variable names like configurationFolderPath	63
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	65–69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	65–69

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	65–69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	65–69
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	70
MethodArgumentCouldBeFinal	Parameter 'type' is not assigned and could be declared final	76
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	76
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	76
LocalVariableCouldBeFinal	Local variable 'prop' could be declared final	78
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	81
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	82
CommentRequired	Public method and constructor comments are required	89–91
ShortMethodName	Avoid using short method names	89–91
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	89
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	89
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	93
CommentRequired	Public method and constructor comments are required	93–95
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	93
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	97
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	97
CommentRequired	Public method and constructor comments are required	97–99
CommentRequired	Public method and constructor comments are required	101–107
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	101
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	101
LocalVariableCouldBeFinal	Local variable 'prop' could be declared final	102
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	104
CommentRequired	Public method and constructor comments are required	109–114
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	109–114

jpass/util/CryptUtils.java

Rule	Violation	Line
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	55
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	55
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	66
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	66
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	88
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	88
LocalVariableCouldBeFinal	Local variable 'md' could be declared final	89
ShortVariable	Avoid variables with short names like md	89
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	90
LocalVariableCouldBeFinal	Local variable 'bytes' could be declared final	92
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	93
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	115

jpass/util/DateUtils.java

Rule	Violation	Line
CommentRequired	Class comments are required	41–71
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	41–71
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	41–71

CommentRequired	Field comments are required	42
CommentRequired	Public method and constructor comments are required	44–53
MethodArgumentCouldBeFinal	Parameter 'format' is not assigned and could be declared final	44
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	48
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	48
MethodArgumentCouldBeFinal	Parameter 'formatter' is not assigned and could be declared final	55
MethodArgumentCouldBeFinal	Parameter 'dateString' is not assigned and could be declared final	55
CommentRequired	Public method and constructor comments are required	55–70
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	59
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	59
LocalVariableCouldBeFinal	Local variable 'date' could be declared final	62
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	64
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	64
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	69

jpass/util/SpringUtilities.java

Rule	Violation	Line
MethodArgumentCouldBeFinal	Parameter 'initialY' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'xPad' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'rows' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'yPad' is not assigned and could be declared final	61
MethodArgumentCouldBeFinal	Parameter 'initialX' is not assigned and could be declared final	61
LocalVariableCouldBeFinal	Local variable 'xPadSpring' could be declared final	69
LocalVariableCouldBeFinal	Local variable 'yPadSpring' could be declared final	70
LocalVariableCouldBeFinal	Local variable 'initialXSpring' could be declared final	71
LocalVariableCouldBeFinal	Local variable 'initialYSpring' could be declared final	72
LocalVariableCouldBeFinal	Local variable 'max' could be declared final	73
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	78
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	78
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	80
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	83
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	89
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	91
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	92
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	100
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	103
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	105
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	109
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	111
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	117
LocalVariableCouldBeFinal	Local variable 'pCons' could be declared final	117
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	118–119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	120–121
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	121
MethodArgumentCouldBeFinal	Parameter 'col' is not assigned and could be declared final	125

MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	125
MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	125
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	125
LocalVariableCouldBeFinal	Local variable 'layout' could be declared final	126
LocalVariableCouldBeFinal	Local variable 'c' could be declared final	127
ShortVariable	Avoid variables with short names like c	127
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	128
MethodArgumentCouldBeFinal	Parameter 'initialX' is not assigned and could be declared final	145
MethodArgumentCouldBeFinal	Parameter 'initialY' is not assigned and could be declared final	145
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	145
MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	145
MethodArgumentCouldBeFinal	Parameter 'rows' is not assigned and could be declared final	145
MethodArgumentCouldBeFinal	Parameter 'yPad' is not assigned and could be declared final	146
MethodArgumentCouldBeFinal	Parameter 'xPad' is not assigned and could be declared final	146
ShortVariable	Avoid variables with short names like x	155
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	159
LocalVariableCouldBeFinal	Local variable 'constraints' could be declared final	162
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	163
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	164
ShortVariable	Avoid variables with short names like y	170
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	174
LocalVariableCouldBeFinal	Local variable 'constraints' could be declared final	177
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	178
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	179
LocalVariableCouldBeFinal	Local variable 'pCons' could be declared final	185
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	185
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	186
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	187

jpass/util/StringUtils.java

Rule	Violation	Line
CyclomaticComplexity	The method 'stripNonValidXMLCharacters(String)' has a cyclomatic complexity of 13.	52–70
ShortVariable	Avoid variables with short names like in	52
CyclomaticComplexity	The method 'stripNonValidXMLCharacters(String)' has a cyclomatic complexity of 13.	52–70
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	54
LocalVariableCouldBeFinal	Local variable 'out' could be declared final	56
CommentRequired	Public method and constructor comments are required	72–74
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	72
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	76
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	76
CommentRequired	Public method and constructor comments are required	76–82

jpass/xml/bind/Entries.java

Rule	Violation	Line
AtLeastOneConstructor	Each class should declare at least one constructor	28–59
CommentRequired	Field comments are required	30
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	30

jpass/xml/bind/Entry.java

Rule	Violation	Line

DataClass	The class 'Entry' is suspected to be a Data Class (WOC=0.000%, NOPA=0, NOAM=13, WMC=14)	40–175
CommentRequired	Field comments are required	42
CommentRequired	Field comments are required	43
CommentRequired	Field comments are required	44
CommentRequired	Field comments are required	45
CommentRequired	Field comments are required	46
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	47
CommentRequired	Field comments are required	47
CommentRequired	Field comments are required	48
CommentRequired	Public method and constructor comments are required	50–56
LocalVariableCouldBeFinal	Local variable 'now' could be declared final	51–53
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	72
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	90
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	108
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	126
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	144
MethodArgumentCouldBeFinal	Parameter 'date' is not assigned and could be declared final	162

jpass/xml/converter/XmlConverter.java

Rule	Violation	Line
CommentRequired	Field comments are required	48
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	48
CommentRequired	Field comments are required	49
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	49
CommentRequired	Public method and constructor comments are required	51–58
MethodArgumentCouldBeFinal	Parameter 'documentClass' is not assigned and could be declared final	51
LocalVariableCouldBeFinal	Local variable 'module' could be declared final	53
MethodArgumentCouldBeFinal	Parameter 'outputStream' is not assigned and could be declared final	67
MethodArgumentCouldBeFinal	Parameter 'document' is not assigned and could be declared final	67
MethodArgumentCouldBeFinal	Parameter 'inputStream' is not assigned and could be declared final	78

Priority 4

jpass/JPass.java

Rule	Violation	Line
UselessParentheses	Useless parentheses.	76
UnnecessaryParentheses	Useless parentheses.	76
UselessParentheses	Useless parentheses.	76

jpass/crypt/Aes256.java

Rule	Violation	Line
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	398
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	491

jpass/crypt/Cbc.java

Rule	Violation	Line
ShortClassName	Avoid short class names like Cbc	43–255
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	118
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	118
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	131

jpass/ui/SvgImageIcon.java

Rule	Violation	Line
UnnecessaryParentheses	Useless parentheses.	170
UselessParentheses	Useless parentheses.	170
UselessParentheses	Useless parentheses.	170

jpass/util/Configuration.java

Rule	Violation	Line
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	101

jpass/util/CryptUtils.java

Rule	Violation	Line
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	55
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	66

jpass/util/StringUtils.java

Rule	Violation	Line
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	52
UselessParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	60
UnnecessaryParentheses	Useless parentheses.	60
UnnecessaryParentheses	Useless parentheses.	60
UnnecessaryParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	60
UselessParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	61
UnnecessaryParentheses	Useless parentheses.	61
UnnecessaryParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	61
UnnecessaryParentheses	Useless parentheses.	61
UselessParentheses	Useless parentheses.	62
UnnecessaryParentheses	Useless parentheses.	62
UselessParentheses	Useless parentheses.	62

UselessParentheses	Useless parentheses.	62
UselessParentheses	Useless parentheses.	62
UselessParentheses	Useless parentheses.	62
UnnecessaryParentheses	Useless parentheses.	62
UselessParentheses	Useless parentheses.	62
UnnecessaryParentheses	Useless parentheses.	62
UselessParentheses	Useless parentheses.	63
UnnecessaryParentheses	Useless parentheses.	63
UselessParentheses	Useless parentheses.	63
UnnecessaryParentheses	Useless parentheses.	63
UselessParentheses	Useless parentheses.	63
UselessParentheses	Useless parentheses.	63
UnnecessaryParentheses	Useless parentheses.	63
UselessParentheses	Useless parentheses.	63
UselessParentheses	Useless parentheses.	63

Priority 5

jpass/crypt/Aes256.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'current' (lines '313'-'322').	313–322
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'current' (lines '319'-'322').	319–322

jpass/crypt/Cbc.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'pad' (lines '220'-'228').	220–228

jpass/data/EntriesRepository.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'inputStream' (lines '113'-'119').	113–119
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'inputStream' (lines '113'-'117').	113–117
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'entries' (lines '121'-'132').	121–132
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'outputStream' (lines '141'-'144').	141–144
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'outputStream' (lines '141'-'146').	141–146

jpass/ui/EntryDialog.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'titleIsOk' (lines '285'-'294').	285–294
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'parent' (lines '286'-'300').	286–300

jpass/ui/MessageDialog.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'ret' (lines '188'-'196').	188–196
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dialog' (lines '189'-'191').	189–191
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dialog' (lines '189'-'193').	189–193
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'repeat' (lines '255'-'257').	255–257
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'repeat' (lines '255'-'290').	255–290

DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'passwordHash' (lines '280'-'282').	280–282
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'bufferedReader' (lines '311'-'314').	311–314
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'line' (lines '316'-'331').	316–331

jpass/ui/SearchPanel.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'criteria' (lines '151'-'153').	151–153

jpass/ui/action/MenuActionType.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'actionMap' (lines '234'-'243').	234–243
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'inputMap' (lines '235'-'243').	235–243

jpass/ui/action/TextComponentActionType.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'copyEnabled' (lines '71'-'73').	71–73
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'copyEnabled' (lines '94'-'96').	94–96
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'delChars' (lines '129'-'135').	129–135
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'actionMap' (lines '220'-'229').	220–229
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'inputMap' (lines '221'-'229').	221–229

jpass/ui/helper/FileHelper.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '121'-'133').	121–133
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '121'-'133').	121–133
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '145'-'156').	145–156
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '165'-'181').	165–181
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '165'-'181').	165–181
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	214–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	214–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	214–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	226–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	226–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	226–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	295–328
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	295–328
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	295–328
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileNotFoundWorker' (lines '340'-'355').	340–355
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileNotFoundWorker' (lines '340'-'355').	340–355
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	367–385
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	367–385
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	367–385
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'overwriteAccepted' (lines '395'-'400').	395–400

jpass/util/ClipboardUtils.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'result' (lines '94'-'98').	94–98

jpass/util/Configuration.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'configurationFolderPath' (lines '63'-'65').	63–65
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'value' (lines '77'-'81').	77–81

jpass/util/CryptUtils.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'ret' (lines '114'-'116').	114–116

jpass/util/DateUtils.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'formatter' (lines '47'-'50').	47–50
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dateTime' (lines '58'-'63').	58–63
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dateTime' (lines '63'-'66').	63–66

jpass/util/SpringUtilities.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'layout' (lines '64'-'122').	64–122
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'layout' (lines '149'-'188').	149–188

jpass/util/StringUtils.java

Rule	Violation	Line
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'result' (lines '77'-'79').	77–79

Files

jpass/JPass.java

Rule	Violation	Priority	Line
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	3	50–78
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	3	50–78
CommentRequired	Field comments are required	3	52
CommentRequired	Public method and constructor comments are required	3	58–77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	62
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	72
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	76
UselessParentheses	Useless parentheses.	4	76
UnnecessaryParentheses	Useless parentheses.	4	76
UselessParentheses	Useless parentheses.	4	76

jpass/crypt/Aes256.java

Rule	Violation	Priority	Line

TooManyMethods	This class has too many methods, consider refactoring it.	3	50–507
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	95
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	151
LocalVariableCouldBeFinal	Local variable 'tmp' could be declared final	3	227
AvoidArrayLoops	System.arraycopy is more efficient	3	228–230
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	245
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	3	272
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	3	290
ShortVariable	Avoid variables with short names like b	3	290
MethodArgumentCouldBeFinal	Parameter 'a' is not assigned and could be declared final	3	310
ShortVariable	Avoid variables with short names like a	3	310
ShortVariable	Avoid variables with short names like b	3	310
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	3	310
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'current' (lines '313'-'322').	5	313–322
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'current' (lines '319'-'322').	5	319–322
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	3	362
LocalVariableCouldBeFinal	Local variable 's0' could be declared final	3	363–364
ShortVariable	Avoid variables with short names like s0	3	363
ShortVariable	Avoid variables with short names like s1	3	365
LocalVariableCouldBeFinal	Local variable 's1' could be declared final	3	365–366
ShortVariable	Avoid variables with short names like s2	3	367
LocalVariableCouldBeFinal	Local variable 's2' could be declared final	3	367–368
ShortVariable	Avoid variables with short names like s3	3	369
LocalVariableCouldBeFinal	Local variable 's3' could be declared final	3	369–370
MethodArgumentCouldBeFinal	Parameter 'inBlock' is not assigned and could be declared final	3	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	397
MethodArgumentCouldBeFinal	Parameter 'outBlock' is not assigned and could be declared final	3	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	397
MethodArgumentCouldBeFinal	Parameter 'inIndex' is not assigned and could be declared final	3	397
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	397
MethodArgumentCouldBeFinal	Parameter 'outIndex' is not assigned and could be declared final	3	398
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	398
MethodArgumentCouldBeFinal	Parameter 'index' is not assigned and could be declared final	3	455
LocalVariableCouldBeFinal	Local variable 's0' could be declared final	3	456–457
ShortVariable	Avoid variables with short names like s0	3	456
LocalVariableCouldBeFinal	Local variable 's1' could be declared final	3	458–459
ShortVariable	Avoid variables with short names like s1	3	458
ShortVariable	Avoid variables with short names like s2	3	460
LocalVariableCouldBeFinal	Local variable 's2' could be declared final	3	460–461
LocalVariableCouldBeFinal	Local variable 's3' could be declared final	3	462–463
ShortVariable	Avoid variables with short names like s3	3	462
MethodArgumentCouldBeFinal	Parameter 'inBlock' is not assigned and could be declared final	3	490
MethodArgumentCouldBeFinal	Parameter 'outBlock' is not assigned and could be declared final	3	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	490

MethodArgumentCouldBeFinal	Parameter 'inIndex' is not assigned and could be declared final	3	490
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	490
MethodArgumentCouldBeFinal	Parameter 'outIndex' is not assigned and could be declared final	3	491
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	491

jpass/crypt/Cbc.java

Rule	Violation	Priority	Line
ShortClassName	Avoid short class names like Cbc	4	43–255
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	53
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	58
RedundantFieldInitializer	Avoid using redundant field initializer for '_buffer'	3	63
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_buffer' is not final.	1	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	68
RedundantFieldInitializer	Avoid using redundant field initializer for '_outBuffer'	3	73
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_outBuffer' is not final.	1	73
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	73
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	78
RedundantFieldInitializer	Avoid using redundant field initializer for '_outBufferUsed'	3	78
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_outBufferUsed' is not final.	1	78
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	88
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_overflowUsed' is not final.	1	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	90
CommentRequired	Field comments are required	3	90
ShortVariable	Avoid variables with short names like iv	3	99
MethodArgumentCouldBeFinal	Parameter 'output' is not assigned and could be declared final	3	99
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	3	99
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	99
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	118
MethodArgumentCouldBeFinal	Parameter 'inBuffer' is not assigned and could be declared final	3	118
MethodArgumentCouldBeFinal	Parameter 'outBuffer' is not assigned and could be declared final	3	118
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	118
MethodArgumentCouldBeFinal	Parameter 'inBuffer' is not assigned and could be declared final	3	131
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	131
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	3	147
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	3	159
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	3	173
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	3	173

MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	3	196
MethodArgumentCouldBeFinal	Parameter 'data' is not assigned and could be declared final	3	196
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'pad' (lines '220'-'228').	5	220–228
LocalVariableCouldBeFinal	Local variable 'pad' could be declared final	3	220
LocalVariableCouldBeFinal	Local variable 'pad' could be declared final	3	244
LocalVariableCouldBeFinal	Local variable 'left' could be declared final	3	249

jpass/crypt/DecryptException.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	40–48

jpass/crypt/io/CryptInputStream.java

Rule	Violation	Priority	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	58
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	63
CommentRequired	Field comments are required	3	65
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	65
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_buffer' is not final.	1	71
RedundantFieldInitializer	Avoid using redundant field initializer for '_buffer'	3	71
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	71
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_bufferUsed' is not final.	1	76
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	76
RedundantFieldInitializer	Avoid using redundant field initializer for '_bufferUsed'	3	76
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	81
RedundantFieldInitializer	Avoid using redundant field initializer for '_lastBufferRead'	3	87
VariableNamingConventions	Only variables that are final should contain underscores (except for underscores in standard prefix/suffix), '_lastBufferRead' is not final.	1	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	87
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	3	96
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	96
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	96
ShortVariable	Avoid variables with short names like iv	3	96
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	96–100
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	110
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	110
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	110–123
LocalVariableCouldBeFinal	Local variable 'iv' could be declared final	3	112
ShortVariable	Avoid variables with short names like iv	3	112
LocalVariableCouldBeFinal	Local variable 'cur' could be declared final	3	115
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	147
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	151
LocalVariableCouldBeFinal	Local variable 'readed' could be declared final	3	153
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	160
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	160

jpass/crypt/io/CryptOutputStream.java

Rule	Violation	Priority	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	53
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	58
SingularField	Perhaps '_buffer' could be replaced by a local variable.	3	58
SingularField	Perhaps '_buffer' could be replaced by a local variable.	3	58
MethodArgumentCouldBeFinal	Parameter 'iv' is not assigned and could be declared final	3	67
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	67–69
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	67
ShortVariable	Avoid variables with short names like iv	3	67
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	67
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	79–87
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	79
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	79
LocalVariableCouldBeFinal	Local variable 'iv' could be declared final	3	81
ShortVariable	Avoid variables with short names like iv	3	81
LocalVariableCouldBeFinal	Local variable 'rnd' could be declared final	3	82
ShortVariable	Avoid variables with short names like b	3	96
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	3	96
MethodArgumentCouldBeFinal	Parameter 'b' is not assigned and could be declared final	3	108
ShortVariable	Avoid variables with short names like b	3	108

jpass/data/DataModel.java

Rule	Violation	Priority	Line
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	1	43–174
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	1	43–174
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	1	45
CommentRequired	Field comments are required	3	45
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	3	45
CommentRequired	Field comments are required	3	47
CommentRequired	Field comments are required	3	48
RedundantFieldInitializer	Avoid using redundant field initializer for 'fileName'	3	48
CommentRequired	Field comments are required	3	49
RedundantFieldInitializer	Avoid using redundant field initializer for 'password'	3	49
RedundantFieldInitializer	Avoid using redundant field initializer for 'modified'	3	50
CommentRequired	Field comments are required	3	50
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	3	61–66
MethodReturnsInternalArray	Returning 'password' may expose an internal array.	3	123
MethodArgumentCouldBeFinal	Parameter 'password' is not assigned and could be declared final	3	126
ArrayIsStoredDirectly	The user-supplied array 'password' is stored directly.	3	127
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	135
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	136
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	3	157
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	158
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	3	167
LocalVariableCouldBeFinal	Local variable 'entryIndex' could be declared final	3	168

OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	170

jpass/data/DocumentProcessException.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	38–43
MethodArgumentCouldBeFinal	Parameter 'message' is not assigned and could be declared final	3	40
CommentRequired	Public method and constructor comments are required	3	40–42

jpass/data/EntriesRepository.java

Rule	Violation	Priority	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	60
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	65
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'inputStream' (lines '113'-'119').	5	113–119
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'inputStream' (lines '113'-'117').	5	113–117
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'entries' (lines '121'-'132').	5	121–132
AvoidRethrowingException	A catch statement that catches an exception only to rethrow it should be avoided.	3	122–124
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	124
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	125
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	125
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'outputStream' (lines '141'-'144').	5	141–144
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'outputStream' (lines '141'-'146').	5	141–146
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	149
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	150
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	150

jpass/ui/CopiablePasswordField.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	40–52
CommentRequired	Field comments are required	3	42
MethodArgumentCouldBeFinal	Parameter 'copyEnabled' is not assigned and could be declared final	3	44
CommentRequired	Public method and constructor comments are required	3	44–47

jpass/ui/EntryDetailsTable.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	51–142
CommentRequired	Field comments are required	3	52–53
CommentRequired	Enum comments are required	3	55–77
CommentRequired	Field comments are required	3	62
CommentRequired	Field comments are required	3	63
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	3	65–68
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	3	65–68

UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'DetailType(String, Function)': enum constructors are implicitly private	3	65–68
MethodArgumentCouldBeFinal	Parameter 'description' is not assigned and could be declared final	3	65
MethodArgumentCouldBeFinal	Parameter 'valueMapper' is not assigned and could be declared final	3	65
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	3	74
CommentRequired	Public method and constructor comments are required	3	74–76
CommentRequired	Field comments are required	3	79–80
CommentRequired	Field comments are required	3	82–86
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	88
CommentRequired	Field comments are required	3	88
CommentRequired	Field comments are required	3	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	89
CommentRequired	Public method and constructor comments are required	3	91–111
MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	3	114
MethodArgumentCouldBeFinal	Parameter 'column' is not assigned and could be declared final	3	114
MethodArgumentCouldBeFinal	Parameter 'renderer' is not assigned and could be declared final	3	119
MethodArgumentCouldBeFinal	Parameter 'column' is not assigned and could be declared final	3	119
MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	3	119
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	120
LocalVariableCouldBeFinal	Local variable 'rendererWidth' could be declared final	3	122
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	122
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	123
LocalVariableCouldBeFinal	Local variable 'tableColumn' could be declared final	3	123
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	124
CommentRequired	Public method and constructor comments are required	3	129–131
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	3	133
CommentRequired	Public method and constructor comments are required	3	133–137
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	134–136
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	134–136
CommentRequired	Public method and constructor comments are required	3	139–141

jpass/ui/EntryDialog.java

Rule	Violation	Priority	Line
StdCyclomaticComplexity	The class 'EntryDialog' has a Standard Cyclomatic Complexity of 6 (Highest = 11).	3	65–301
ModifiedCyclomaticComplexity	The class 'EntryDialog' has a Modified Cyclomatic Complexity of 6 (Highest = 11).	3	65–301
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	65–301
TooManyFields	Too many fields	3	65–301
CommentRequired	Field comments are required	3	67
SingularField	Perhaps 'fieldPanel' could be replaced by a local variable.	3	69
SingularField	Perhaps 'fieldPanel' could be replaced by a local variable.	3	69
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	69
CommentRequired	Field comments are required	3	69
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	70
SingularField	Perhaps 'notesPanel' could be replaced by a local variable.	3	70
CommentRequired	Field comments are required	3	70
SingularField	Perhaps 'notesPanel' could be replaced by a local variable.	3	70

SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	3	71
CommentRequired	Field comments are required	3	71
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	71
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	3	71
CommentRequired	Field comments are required	3	72
SingularField	Perhaps 'passwordButtonPanel' could be replaced by a local variable.	3	72
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	72
LongVariable	Avoid excessively long variable names like passwordButtonPanel	3	72
SingularField	Perhaps 'passwordButtonPanel' could be replaced by a local variable.	3	72
CommentRequired	Field comments are required	3	74
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	74
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	75
CommentRequired	Field comments are required	3	75
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	76
CommentRequired	Field comments are required	3	76
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	77
CommentRequired	Field comments are required	3	77
CommentRequired	Field comments are required	3	78
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	78
CommentRequired	Field comments are required	3	79
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	79
CommentRequired	Field comments are required	3	81
SingularField	Perhaps 'okButton' could be replaced by a local variable.	3	81
SingularField	Perhaps 'okButton' could be replaced by a local variable.	3	81
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	81
CommentRequired	Field comments are required	3	82
SingularField	Perhaps 'cancelButton' could be replaced by a local variable.	3	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	82
SingularField	Perhaps 'cancelButton' could be replaced by a local variable.	3	82
CommentRequired	Field comments are required	3	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	83
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	3	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	84
CommentRequired	Field comments are required	3	84
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	3	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	85
SingularField	Perhaps 'copyButton' could be replaced by a local variable.	3	85
SingularField	Perhaps 'copyButton' could be replaced by a local variable.	3	85
CommentRequired	Field comments are required	3	85
CommentRequired	Field comments are required	3	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	89
CommentRequired	Field comments are required	3	89

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	91
CommentRequired	Field comments are required	3	91
CommentRequired	Field comments are required	3	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	93
MethodArgumentCouldBeFinal	Parameter 'title' is not assigned and could be declared final	3	103
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	103
MethodArgumentCouldBeFinal	Parameter 'newEntry' is not assigned and could be declared final	3	103
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	3	103
NcssCount	The constructor 'EntryDialog(JPassFrame, String, Entry, boolean)' has a NCSS line count of 69.	3	103–191
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	108
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	3	194–225
StdCyclomaticComplexity	The method 'actionPerformed' has a Standard Cyclomatic Complexity of 11.	3	194–225
ShortVariable	Avoid variables with short names like e	3	194
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	194
ModifiedCyclomaticComplexity	The method 'actionPerformed' has a Modified Cyclomatic Complexity of 11.	3	194–225
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	3	194–225
LocalVariableCouldBeFinal	Local variable 'command' could be declared final	3	195
InefficientEmptyStringCheck	String.trim().length() == 0 / String.trim().isEmpty() is an inefficient way to validate a blank String.	3	200
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	202
ConfusingTernary	Avoid if (x != y) ..; else ..;	3	203–209
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	205
LocalVariableCouldBeFinal	Local variable 'gpd' could be declared final	3	215
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	216–221
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	216–221
MethodArgumentCouldBeFinal	Parameter 'entry' is not assigned and could be declared final	3	232
NPathComplexity	The method 'fillDialogFromEntry(Entry)' has an NPath complexity of 256, current threshold is 200	3	232–244
CyclomaticComplexity	The method 'getEntryFromDialog()' has a cyclomatic complexity of 11.	3	251–267
NPathComplexity	The method 'getEntryFromDialog()' has an NPath complexity of 243, current threshold is 200	3	251–267
CyclomaticComplexity	The method 'getEntryFromDialog()' has a cyclomatic complexity of 11.	3	251–267
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	3	252
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	3	254
LocalVariableCouldBeFinal	Local variable 'user' could be declared final	3	255
LocalVariableCouldBeFinal	Local variable 'password' could be declared final	3	256
LocalVariableCouldBeFinal	Local variable 'url' could be declared final	3	257
LocalVariableCouldBeFinal	Local variable 'notes' could be declared final	3	258
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	260
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	260
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	261
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	261
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	262
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	262
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	263
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	263
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	264
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	264
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'titleIsOk' (lines '285'-'294').	5	285–294
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	3	286
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'parent' (lines '286'-'300').	5	286–300

LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	291
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	292
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	292
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	3	292

jpass/ui/GeneratePasswordDialog.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	63–258
StdCyclomaticComplexity	The class 'GeneratePasswordDialog' has a Standard Cyclomatic Complexity of 4 (Highest = 11).	3	63–258
ModifiedCyclomaticComplexity	The class 'GeneratePasswordDialog' has a Modified Cyclomatic Complexity of 4 (Highest = 11).	3	63–258
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	79
CommentRequired	Field comments are required	3	79
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	80
CommentRequired	Field comments are required	3	80
LongVariable	Avoid excessively long variable names like customSymbolsCheck	3	80
LongVariable	Avoid excessively long variable names like customSymbolsField	3	82
CommentRequired	Field comments are required	3	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	83
CommentRequired	Field comments are required	3	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	85
SingularField	Perhaps 'lengthLabel' could be replaced by a local variable.	3	85
CommentRequired	Field comments are required	3	85
SingularField	Perhaps 'lengthLabel' could be replaced by a local variable.	3	85
CommentRequired	Field comments are required	3	86
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	86
SingularField	Perhaps 'lengthPanel' could be replaced by a local variable.	3	88
SingularField	Perhaps 'lengthPanel' could be replaced by a local variable.	3	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	88
CommentRequired	Field comments are required	3	88
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	89
SingularField	Perhaps 'charactersPanel' could be replaced by a local variable.	3	89
CommentRequired	Field comments are required	3	89
SingularField	Perhaps 'charactersPanel' could be replaced by a local variable.	3	89
SingularField	Perhaps 'passwordPanel' could be replaced by a local variable.	3	90
CommentRequired	Field comments are required	3	90
SingularField	Perhaps 'passwordPanel' could be replaced by a local variable.	3	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	90
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	91
CommentRequired	Field comments are required	3	91
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	3	91
SingularField	Perhaps 'buttonPanel' could be replaced by a local variable.	3	91
CommentRequired	Field comments are required	3	93

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	93
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	94
CommentRequired	Field comments are required	3	94
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	3	95
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	95
SingularField	Perhaps 'generateButton' could be replaced by a local variable.	3	95
CommentRequired	Field comments are required	3	95
CommentRequired	Field comments are required	3	97
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	97
CommentRequired	Field comments are required	3	99
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	99
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	106
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	116
NcssCount	The method 'initDialog(Component, boolean)' has a NCSS line count of 64.	3	129–210
NullAssignment	Assigning an Object to null is a code smell. Consider refactoring.	3	133
LongVariable	Avoid excessively long variable names like passwordGenerationLength	3	139
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	139
AvoidLiteralsInIfCondition	Avoid using Literals in Conditional Statements	3	140
AvoidLiteralsInIfCondition	Avoid using Literals in Conditional Statements	3	143
AvoidInstantiatingObjectsInLoops	Avoid instantiating new objects inside loops	3	155
LongVariable	Avoid excessively long variable names like generateButtonPanel	3	178
LocalVariableCouldBeFinal	Local variable 'generateButtonPanel' could be declared final	3	178
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	201
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	202
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	203
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	3	216–253
StdCyclomaticComplexity	The method 'actionPerformed' has a Standard Cyclomatic Complexity of 11.	3	216–253
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 11.	3	216–253
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	216
ShortVariable	Avoid variables with short names like e	3	216
ModifiedCyclomaticComplexity	The method 'actionPerformed' has a Modified Cyclomatic Complexity of 11.	3	216–253
LocalVariableCouldBeFinal	Local variable 'command' could be declared final	3	217
UseStringBufferForStringAppends	Prefer StringBuilder (non-synchronized) or StringBuffer (synchronized) over += for concatenating strings	3	224
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	232
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	234
LocalVariableCouldBeFinal	Local variable 'generated' could be declared final	3	237
LocalVariableCouldBeFinal	Local variable 'passwordLength' could be declared final	3	238
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	240
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	240

jpass/ui/JPassFrame.java

Rule	Violation	Priority	Line
TooManyStaticImports	Too many static imports may lead to messy code	3	29–351
ExcessiveImports	A high number of imports can indicate a high degree of coupling within an object.	3	29–351
SingleMethodSingleton	Class contains multiple getInstance methods. Please review.	2	71–351

SingleMethodSingleton	Class contains multiple getInstance methods. Please review.	2	71–351
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	71–351
CommentRequired	Field comments are required	3	73
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	1	75
CommentRequired	Field comments are required	3	75
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	3	75
CommentRequired	Field comments are required	3	77
CommentRequired	Field comments are required	3	78
CommentRequired	Field comments are required	3	80
SingularField	Perhaps 'topContainerPanel' could be replaced by a local variable.	3	81
CommentRequired	Field comments are required	3	81
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	81
SingularField	Perhaps 'topContainerPanel' could be replaced by a local variable.	3	81
SingularField	Perhaps 'jpassMenuBar' could be replaced by a local variable.	3	82
CommentRequired	Field comments are required	3	82
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	82
SingularField	Perhaps 'jpassMenuBar' could be replaced by a local variable.	3	82
CommentRequired	Field comments are required	3	83
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	84
SingularField	Perhaps 'fileMenu' could be replaced by a local variable.	3	84
CommentRequired	Field comments are required	3	84
SingularField	Perhaps 'fileMenu' could be replaced by a local variable.	3	84
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	85
CommentRequired	Field comments are required	3	85
SingularField	Perhaps 'editMenu' could be replaced by a local variable.	3	85
SingularField	Perhaps 'editMenu' could be replaced by a local variable.	3	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	86
CommentRequired	Field comments are required	3	86
SingularField	Perhaps 'toolsMenu' could be replaced by a local variable.	3	86
SingularField	Perhaps 'toolsMenu' could be replaced by a local variable.	3	86
SingularField	Perhaps 'helpMenu' could be replaced by a local variable.	3	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	87
SingularField	Perhaps 'helpMenu' could be replaced by a local variable.	3	87
CommentRequired	Field comments are required	3	87
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	88
SingularField	Perhaps 'toolBar' could be replaced by a local variable.	3	88
SingularField	Perhaps 'toolBar' could be replaced by a local variable.	3	88
CommentRequired	Field comments are required	3	88
SingularField	Perhaps 'scrollPane' could be replaced by a local variable.	3	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	89
CommentRequired	Field comments are required	3	89
SingularField	Perhaps 'scrollPane' could be replaced by a local variable.	3	89
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	91
CommentRequired	Field comments are required	3	91
CommentRequired	Field comments are required	3	92
CommentRequired	Field comments are required	3	93

BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	93
RedundantFieldInitializer	Avoid using redundant field initializer for 'processing'	3	94
CommentRequired	Field comments are required	3	94
AvoidUsingVolatile	Use of modifier volatile is not recommended.	2	94
AvoidUsingVolatile	Use of modifier volatile is not recommended.	2	94
NcssCount	The constructor 'JPassFrame(String)' has a NCSS line count of 93.	3	96–211
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	3	96
ExcessiveMethodLength	Avoid really long methods.	3	96–211
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	96–211
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	99
CommentRequired	Public method and constructor comments are required	3	213–215
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	3	217
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	3	217–222
CommentRequired	Public method and constructor comments are required	3	217–222
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	254
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	255
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	255
MethodArgumentCouldBeFinal	Parameter 'selectTitle' is not assigned and could be declared final	3	264
LocalVariableCouldBeFinal	Local variable 'entries' could be declared final	3	266
LocalVariableCouldBeFinal	Local variable 'searchCriteria' could be declared final	3	268
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	269–271
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	269–271
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	270
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	270
LocalVariableCouldBeFinal	Local variable 'index' could be declared final	3	274
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	278
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	297
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	301
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	304
DoNotCallSystemExit	System.exit() should not be used in J2EE/JEE apps	3	306
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	307
DoNotCallSystemExit	System.exit() should not be used in J2EE/JEE apps	3	312
MethodArgumentCouldBeFinal	Parameter 'processing' is not assigned and could be declared final	3	324
LocalVariableCouldBeFinal	Local variable 'actionType' could be declared final	3	326
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	327

jpass/ui/MessageDialog.java

Rule	Violation	Priority	Line
ExcessiveImports	A high number of imports can indicate a high degree of coupling within an object.	3	29–350
TooManyMethods	This class has too many methods, consider refactoring it.	3	72–350
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	72–350
CommentRequired	Field comments are required	3	74
CommentRequired	Field comments are required	3	76
CommentRequired	Field comments are required	3	77
LongVariable	Avoid excessively long variable names like YES_NO_CANCEL_OPTION	3	78
CommentRequired	Field comments are required	3	78

CommentRequired	Field comments are required	3	79
CommentRequired	Field comments are required	3	81
CommentRequired	Field comments are required	3	82
CommentRequired	Field comments are required	3	83
CommentRequired	Field comments are required	3	84
CommentRequired	Field comments are required	3	85
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	87
CommentRequired	Field comments are required	3	87
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	3	89
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	89
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	94
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	3	94
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	3	99
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	99
LocalVariableCouldBeFinal	Local variable 'buttonPanel' could be declared final	3	105
AvoidDuplicateLiterals	The String literal "accept" appears 4 times in this file; the first occurrence is on line 109	3	109
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	129
LocalVariableCouldBeFinal	Local variable 'mainPanel' could be declared final	3	131
LocalVariableCouldBeFinal	Local variable 'messagePanel' could be declared final	3	134
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	144–145
LocalVariableCouldBeFinal	Local variable 'image' could be declared final	3	150
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	157
MethodArgumentCouldBeFinal	Parameter 'option' is not assigned and could be declared final	3	165
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	3	165
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	165
LocalVariableCouldBeFinal	Local variable 'button' could be declared final	3	166
MethodArgumentCouldBeFinal	Parameter 'event' is not assigned and could be declared final	3	178
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	183
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	187
MethodArgumentCouldBeFinal	Parameter 'optionType' is not assigned and could be declared final	3	187
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'ret' (lines '188'-'196').	5	188–196
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dialog' (lines '189'-'191').	5	189–191
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dialog' (lines '189'-'193').	5	189–193
LocalVariableCouldBeFinal	Local variable 'panel' could be declared final	3	251
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'repeat' (lines '255'-'257').	5	255–257
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'repeat' (lines '255'-'290').	5	255–290
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	266
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	268
ReturnEmptyCollectionRatherThanNull	Return an empty collection rather than null.	1	276
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	276
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'passwordHash' (lines '280'-'282').	5	280–282
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	283
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	3	298
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	300
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	301
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	3	309
LocalVariableCouldBeFinal	Local variable 'builder' could be declared final	3	310
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'bufferedReader' (lines '311'-'314').	5	311–314
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	313
LocalVariableCouldBeFinal	Local variable 'is' could be declared final	3	313

UseProperClassLoader	In J2EE, getClassLoader() might not work as expected. Use Thread.currentThread().getContextClassLoader() instead.	3	313
ShortVariable	Avoid variables with short names like is	3	313
CloseResource	Ensure that resources like this InputStream object are closed after use	3	313
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	313
CloseResource	Ensure that resources like this InputStream object are closed after use	3	313
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'line' (lines '316'-'331').	5	316–331
AssignmentInOperand	Avoid assignments in operands	3	316
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	319
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	320
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	320
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	320
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	320
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	327
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	327
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	327
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	327
LocalVariableCouldBeFinal	Local variable 'area' could be declared final	3	341
LocalVariableCouldBeFinal	Local variable 'scrollPane' could be declared final	3	346

jpass/ui/SearchPanel.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	56–158
CommentRequired	Field comments are required	3	58
LongVariable	Avoid excessively long variable names like CLOSE_BUTTON_ACTION_COMMAND	3	58
CommentRequired	Field comments are required	3	59
LongVariable	Avoid excessively long variable names like SEARCH_PANEL_CLOSE_ACTION	3	59
CommentRequired	Field comments are required	3	61
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	61
CommentRequired	Field comments are required	3	62
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	62
CommentRequired	Field comments are required	3	63
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	63
MethodArgumentCouldBeFinal	Parameter 'searchCallback' is not assigned and could be declared final	3	70
ShortVariable	Avoid variables with short names like e	3	81
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	81
ShortVariable	Avoid variables with short names like e	3	86
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	86
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	91
ShortVariable	Avoid variables with short names like e	3	91
LocalVariableCouldBeFinal	Local variable 'closeAction' could be declared final	3	103–108
ShortVariable	Avoid variables with short names like e	3	105
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	105
ConstructorCallsOverridableMethod	Overridable method 'setVisible' called during object construction	1	116
MethodArgumentCouldBeFinal	Parameter 'visible' is not assigned and could be declared final	3	120
MethodArgumentCouldBeFinal	Parameter 'enabled' is not assigned and could be declared final	3	130
ShortVariable	Avoid variables with short names like e	3	138
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	138

| LocalVariableCouldBeFinal | Local variable 'command' could be declared final | 3 | 139 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'criteria' (lines '151'-'153'). | 5 | 151–153 |

jpass/ui/StatusPanel.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	44–72
CommentRequired	Field comments are required	3	46
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	46
CommentRequired	Field comments are required	3	47
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	47
CommentRequired	Public method and constructor comments are required	3	49–57
ConstructorCallsOverridableMethod	Overridable method 'setProcessing' called during object construction	1	56
CommentRequired	Public method and constructor comments are required	3	59–61
CommentRequired	Public method and constructor comments are required	3	63–65
CommentRequired	Public method and constructor comments are required	3	67–71
MethodArgumentCouldBeFinal	Parameter 'processing' is not assigned and could be declared final	3	67

jpass/ui/SvgImageIcon.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	45–172
CommentRequired	Field comments are required	3	46
CommentRequired	Field comments are required	3	49
VariableNamingConventions	Variables that are final and static should be all capitals, 'svgUniverse' is not all capitals.	1	49
CommentRequired	Field comments are required	3	51
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	51
CommentRequired	Field comments are required	3	52
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	52
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	53
CommentRequired	Field comments are required	3	53
MethodArgumentCouldBeFinal	Parameter 'name' is not assigned and could be declared final	3	55
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	55–57
CommentRequired	Public method and constructor comments are required	3	55–57
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	72
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	73
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	73
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	73
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	73
MethodArgumentCouldBeFinal	Parameter 'dark' is not assigned and could be declared final	3	77
LocalVariableCouldBeFinal	Local variable 'dotIndex' could be declared final	3	79
AvoidReassigningParameters	Avoid reassigning parameters such as 'name'	2	80
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	82
UseProperClassLoader	In J2EE, getClassLoader() might not work as expected. Use Thread.currentThread().getContextClassLoader() instead.	3	82
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	82
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	3	98
ShortVariable	Avoid variables with short names like c	3	98

MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	3	98
MethodArgumentCouldBeFinal	Parameter 'c' is not assigned and could be declared final	3	98
ShortVariable	Avoid variables with short names like g	3	98
ShortVariable	Avoid variables with short names like x	3	98
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	3	98
ShortVariable	Avoid variables with short names like y	3	98
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	3	98–115
LocalVariableCouldBeFinal	Local variable 'clipBounds' could be declared final	3	101
LocalVariableCouldBeFinal	Local variable 'g2' could be declared final	3	106
ShortVariable	Avoid variables with short names like g2	3	106
ShortVariable	Avoid variables with short names like g	3	117
MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	3	117
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	3	117
ShortVariable	Avoid variables with short names like x	3	117
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	3	117
ShortVariable	Avoid variables with short names like y	3	117
ShortVariable	Avoid variables with short names like x	3	139
ShortVariable	Avoid variables with short names like g	3	139
MethodArgumentCouldBeFinal	Parameter 'g' is not assigned and could be declared final	3	139
ShortVariable	Avoid variables with short names like y	3	139
MethodArgumentCouldBeFinal	Parameter 'y' is not assigned and could be declared final	3	139
MethodArgumentCouldBeFinal	Parameter 'x' is not assigned and could be declared final	3	139
LocalVariableCouldBeFinal	Local variable 'image' could be declared final	3	148
LocalVariableCouldBeFinal	Local variable 'g' could be declared final	3	149
ShortVariable	Avoid variables with short names like g	3	149
FieldDeclarationsShouldBeAtStartOfClass	Fields should be declared at the top of the class, before any method declarations, constructors, initializers or inner classes.	3	158
CommentRequired	Field comments are required	3	158
LocalVariableCouldBeFinal	Local variable 'lookAndFeel' could be declared final	3	169
UnnecessaryParentheses	Useless parentheses.	4	170
UselessParentheses	Useless parentheses.	4	170
UselessParentheses	Useless parentheses.	4	170

jpass/ui/TextComponentFactory.java

Rule	Violation	Priority	Line
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	65
LocalVariableCouldBeFinal	Local variable 'textField' could be declared final	3	66
MethodArgumentCouldBeFinal	Parameter 'copyEnabled' is not assigned and could be declared final	3	87
LocalVariableCouldBeFinal	Local variable 'passwordField' could be declared final	3	88
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	109
LocalVariableCouldBeFinal	Local variable 'textArea' could be declared final	3	110

jpass/ui/action/AbstractMenuAction.java

Rule	Violation	Priority	Line
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	41–57
MethodArgumentCouldBeFinal	Parameter 'accelerator' is not assigned and could be declared final	3	50
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	50
MethodArgumentCouldBeFinal	Parameter 'icon' is not assigned and could be declared final	3	50

jpass/ui/action/CloseListener.java

Rule	Violation	Priority	Line
AtLeastOneConstructor	Each class should declare at least one constructor	3	42–55
MethodArgumentCouldBeFinal	Parameter 'event' is not assigned and could be declared final	3	50

jpass/ui/action/MenuActionType.java

Rule	Violation	Priority	Line
TooManyStaticImports	Too many static imports may lead to messy code	3	29–244
ShortVariable	Avoid variables with short names like ev	3	65
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	65
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	71
ShortVariable	Avoid variables with short names like ev	3	71
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	77
ShortVariable	Avoid variables with short names like ev	3	77
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	83
ShortVariable	Avoid variables with short names like ev	3	83
ShortVariable	Avoid variables with short names like ev	3	89
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	89
ShortVariable	Avoid variables with short names like ev	3	95
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	95
ShortVariable	Avoid variables with short names like ev	3	101
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	101
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	3	102
LocalVariableCouldBeFinal	Local variable 'password' could be declared final	3	103
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	107
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	108
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	117
ShortVariable	Avoid variables with short names like ev	3	117
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	123
ShortVariable	Avoid variables with short names like ev	3	123
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	124
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	129
ShortVariable	Avoid variables with short names like ev	3	129
ShortVariable	Avoid variables with short names like sb	3	130
LocalVariableCouldBeFinal	Local variable 'sb' could be declared final	3	130
InsufficientStringBufferDeclaration	StringBuilder has been initialized with size 16, but has at least 77 characters appended.	3	130
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	3	131
InefficientStringBuffering	Avoid concatenating nonliterals in a StringBuffer/StringBuilder constructor or append().	3	131
ConsecutiveLiteralAppends	StringBuffer (or StringBuilder).append is called 5 consecutive times with literals. Use a single append with a single combined String.	3	131
InefficientStringBuffering	Avoid concatenating nonliterals in a StringBuffer/StringBuilder constructor or append().	3	132
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	3	132
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	3	133
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	3	134
AppendCharacterWithChar	Avoid appending characters as strings in StringBuffer.append.	3	134
AppendCharacterWithChar	Avoid appending characters as strings in StringBuffer.append.	3	135
ConsecutiveAppendsShouldReuse	StringBuffer (or StringBuilder).append is called consecutively without reusing the target variable.	3	135
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	135

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	136
ShortVariable	Avoid variables with short names like ev	3	142
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	142
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	148
ShortVariable	Avoid variables with short names like ev	3	148
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	154
ShortVariable	Avoid variables with short names like ev	3	154
ShortVariable	Avoid variables with short names like ev	3	160
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	160
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	166
ShortVariable	Avoid variables with short names like ev	3	166
ShortVariable	Avoid variables with short names like ev	3	172
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	172
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	3	173
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	3	174
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	182
ShortVariable	Avoid variables with short names like ev	3	182
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	3	183
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	3	184
ShortVariable	Avoid variables with short names like ev	3	192
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	192
LocalVariableCouldBeFinal	Local variable 'parent' could be declared final	3	193
LocalVariableCouldBeFinal	Local variable 'entry' could be declared final	3	194
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	202
ShortVariable	Avoid variables with short names like ev	3	202
ShortVariable	Avoid variables with short names like ev	3	208
MethodArgumentCouldBeFinal	Parameter 'ev' is not assigned and could be declared final	3	208
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	209
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	209
CommentRequired	Field comments are required	3	213
CommentRequired	Field comments are required	3	214
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	3	216–219
MethodArgumentCouldBeFinal	Parameter 'action' is not assigned and could be declared final	3	216
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	3	216–219
UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'MenuActionType(AbstractMenuAction)': enum constructors are implicitly private	3	216–219
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	217
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	217
CommentRequired	Public method and constructor comments are required	3	229–231
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	233
CommentRequired	Public method and constructor comments are required	3	233–243
LocalVariableCouldBeFinal	Local variable 'actionMap' could be declared final	3	234
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'actionMap' (lines '234'-'243').	5	234–243
LocalVariableCouldBeFinal	Local variable 'inputMap' could be declared final	3	235
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'inputMap' (lines '235'-'243').	5	235–243
LocalVariableCouldBeFinal	Local variable 'type' could be declared final	3	236
LocalVariableCouldBeFinal	Local variable 'acc' could be declared final	3	238

jpass/ui/action/TableListener.java

Rule	Violation	Priority	Line
AtLeastOneConstructor	Each class should declare at least one constructor	3	47–109
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	3	56
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	57
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	3	72
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	3	83
MethodArgumentCouldBeFinal	Parameter 'evt' is not assigned and could be declared final	3	92
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	93
LocalVariableCouldBeFinal	Local variable 'table' could be declared final	3	97
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	97
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	98
LocalVariableCouldBeFinal	Local variable 'point' could be declared final	3	99
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	100
LocalVariableCouldBeFinal	Local variable 'rowAtPoint' could be declared final	3	100
AvoidDeeplyNestedIfStmts	Deeply nested if..then statements are hard to read	3	101–103
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	102
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	105

jpass/ui/action/TextComponentAction.java

Rule	Violation	Priority	Line
AbstractNaming	Abstract classes should be named AbstractXXX	3	35–46
MissingSerialVersionUID	Classes implementing Serializable should set a serialVersionUID	3	35–46
CommentRequired	Class comments are required	3	35–46
MethodArgumentCouldBeFinal	Parameter 'accelerator' is not assigned and could be declared final	3	37
CommentRequired	Public method and constructor comments are required	3	37–43
MethodArgumentCouldBeFinal	Parameter 'mnemonic' is not assigned and could be declared final	3	37
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	37
CommentRequired	Public method and constructor comments are required	3	45

jpass/ui/action/TextComponentActionType.java

Rule	Violation	Priority	Line
ShortVariable	Avoid variables with short names like e	3	57
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	57
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	58
EmptyCatchBlock	Avoid empty catch blocks	3	62–64
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	62
EmptyCatchBlock	Avoid empty catch blocks	3	62–64
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	70
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'copyEnabled' (lines '71'-'73').	5	71–73
ShortVariable	Avoid variables with short names like e	3	81
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	81
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	82
EmptyCatchBlock	Avoid empty catch blocks	3	86–88
EmptyCatchBlock	Avoid empty catch blocks	3	86–88
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	86
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	93
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'copyEnabled' (lines '94'-'96').	5	94–96
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	103

ShortVariable	Avoid variables with short names like e	3	103
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	104
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	111
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 12.	3	118–144
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	118
ShortVariable	Avoid variables with short names like e	3	118
CyclomaticComplexity	The method 'actionPerformed(ActionEvent)' has a cyclomatic complexity of 12.	3	118–144
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	120
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	120
LocalVariableCouldBeFinal	Local variable 'doc' could be declared final	3	122
LocalVariableCouldBeFinal	Local variable 'caret' could be declared final	3	123
LocalVariableCouldBeFinal	Local variable 'dot' could be declared final	3	124
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	124
LocalVariableCouldBeFinal	Local variable 'mark' could be declared final	3	125
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	125
ConfusingTernary	Avoid if (x != y) ..; else ..;	3	126–139
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	127
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	128
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'delChars' (lines '129'-'135').	5	129–135
AvoidDeeplyNestedIfStmts	Deeply nested if..then statements are hard to read	3	130–137
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	130
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	131
LocalVariableCouldBeFinal	Local variable 'dotChars' could be declared final	3	131
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	132
ShortVariable	Avoid variables with short names like c0	3	132
LocalVariableCouldBeFinal	Local variable 'c0' could be declared final	3	132
LocalVariableCouldBeFinal	Local variable 'c1' could be declared final	3	133
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	133
ShortVariable	Avoid variables with short names like c1	3	133
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	138
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	140
EmptyCatchBlock	Avoid empty catch blocks	3	140–142
EmptyCatchBlock	Avoid empty catch blocks	3	140–142
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	147
ShortVariable	Avoid variables with short names like e	3	154
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	154
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	155
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	163
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	171
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	178
ShortVariable	Avoid variables with short names like e	3	178
LocalVariableCouldBeFinal	Local variable 'component' could be declared final	3	179
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	186
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	193
CommentRequired	Field comments are required	3	199
CommentRequired	Field comments are required	3	200
MethodArgumentCouldBeFinal	Parameter 'action' is not assigned and could be declared final	3	202
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	3	202–205

UnnecessaryFinalModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	3	202–205
UnnecessaryModifier	Unnecessary modifier 'private' on constructor 'TextComponentActionType(TextComponentAction)': enum constructors are implicitly private	3	202–205
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	203
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	203
CommentRequired	Public method and constructor comments are required	3	215–217
CommentRequired	Public method and constructor comments are required	3	219–229
MethodArgumentCouldBeFinal	Parameter 'component' is not assigned and could be declared final	3	219
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'actionMap' (lines '220'-'229').	5	220–229
LocalVariableCouldBeFinal	Local variable 'actionMap' could be declared final	3	220
LocalVariableCouldBeFinal	Local variable 'inputMap' could be declared final	3	221
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'inputMap' (lines '221'-'229').	5	221–229
LocalVariableCouldBeFinal	Local variable 'type' could be declared final	3	222
LocalVariableCouldBeFinal	Local variable 'acc' could be declared final	3	224

jpass/ui/action/TextComponentPopupListener.java

Rule	Violation	Priority	Line
TooManyStaticImports	Too many static imports may lead to messy code	3	29–98
CommentRequired	Field comments are required	3	58
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	58
CommentRequired	Field comments are required	3	59
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	59
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	61–77
CommentRequired	Public method and constructor comments are required	3	61–77
ShortVariable	Avoid variables with short names like e	3	79
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	79
LocalVariableCouldBeFinal	Local variable 'textComponent' could be declared final	3	81
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	82
ShortVariable	Avoid variables with short names like e	3	90
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	90
MethodArgumentCouldBeFinal	Parameter 'e' is not assigned and could be declared final	3	95
ShortVariable	Avoid variables with short names like e	3	95

jpass/ui/action/Worker.java

Rule	Violation	Priority	Line
AbstractNaming	Abstract classes should be named AbstractXXX	3	43–98
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	48
CallSuperInConstructor	It is a good practice to call super() in a constructor	3	55–58
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	71
ShortVariable	Avoid variables with short names like e	3	81
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	84

jpass/ui/helper/EntryHelper.java

Rule	Violation	Priority	Line
TooManyStaticImports	Too many static imports may lead to messy code	3	29–161
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	59
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	60
AvoidDuplicateLiterals	The String literal "Please select an entry." appears 4 times in this file; the first occurrence is on line 61	3	61
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	64
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	66
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	3	66
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	66
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	67
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	68
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	79
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	80
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	84
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	3	84
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	84
LocalVariableCouldBeFinal	Local variable 'originalEntry' could be declared final	3	85
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	85
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	3	86
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	87–92
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	100
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	101
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	105
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	3	105
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	106
LocalVariableCouldBeFinal	Local variable 'originalEntry' could be declared final	3	106
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	3	107
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	108–115
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	123
LocalVariableCouldBeFinal	Local variable 'dialog' could be declared final	3	124
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	125–130
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	139
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	140
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	142
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	144
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	144
LocalVariableCouldBeFinal	Local variable 'title' could be declared final	3	144
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	145
MethodArgumentCouldBeFinal	Parameter 'content' is not assigned and could be declared final	3	154
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	154
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	157

jpass/ui/helper/FileHelper.java

Rule	Violation	Priority	Line
TooManyStaticImports	Too many static imports may lead to messy code	3	29–420

StdCyclomaticComplexity	The class 'FileHelper' has a Standard Cyclomatic Complexity of 5 (Highest = 11).	3	59–420
ModifiedCyclomaticComplexity	The class 'FileHelper' has a Modified Cyclomatic Complexity of 5 (Highest = 11).	3	59–420
TooManyMethods	This class has too many methods, consider refactoring it.	3	59–420
LongVariable	Avoid excessively long variable names like SAVE_MODIFIED_QUESTION_MESSAGE	3	60
CommentRequired	Field comments are required	3	60–62
LongVariable	Avoid excessively long variable names like UNENCRYPTED_DATA_WARNING_MESSAGE	3	63
CommentRequired	Field comments are required	3	63–65
LongVariable	Avoid excessively long variable names like OPEN_ERROR_CHECK_PASSWORD_WARNING_MESSAGE	3	66
CommentRequired	Field comments are required	3	66–67
CommentRequired	Field comments are required	3	68–69
LongVariable	Avoid excessively long variable names like CREATE_FILE_QUESTION_MESSAGE	3	68
CommentRequired	Field comments are required	3	70–71
LongVariable	Avoid excessively long variable names like OPERATION_ERROR_MESSAGE	3	70
LongVariable	Avoid excessively long variable names like FILE_OVERWRITE_QUESTION_MESSAGE	3	72
CommentRequired	Field comments are required	3	72–73
CommentRequired	Field comments are required	3	75
CommentRequired	Field comments are required	3	76
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	88
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	89
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	96
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	102
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	3	113
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	115
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	117
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '121'-'133').	5	121–133
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '121'-'133').	5	121–133
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	3	121–131
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	125
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	125
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	126–128
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	126–128
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	127
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	127
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	127
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	3	141
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	143
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '145'-'156').	5	145–156
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	145
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	146
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	147
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	150

CommentDefaultAccessModifier	To avoid mistakes add a comment at the beginning of the importFileInBackground method if you want a default access modifier	3	164–181
DefaultPackage	Use explicit scoping instead of the default package private level	3	164–181
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	3	165–179
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '165'-'181').	5	165–181
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '165'-'181').	5	165–181
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	169
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	169
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	170
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	171
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	172
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	173
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	174–176
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	174–176
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	175
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	175
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	175
ModifiedCyclomaticComplexity	The method 'saveFile' has a Modified Cyclomatic Complexity of 11.	3	202–256
StdCyclomaticComplexity	The method 'saveFile' has a Standard Cyclomatic Complexity of 11.	3	202–256
AvoidFinalLocalVariable	Avoid using final local variables, turn them into fields	3	203
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	204
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	3	205
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	207
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	209
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	211
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	5	214–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	5	214–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileName' (lines '214'-'256').	5	214–256
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	214
AvoidFinalLocalVariable	Avoid using final local variables, turn them into fields	3	217
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	218
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	224
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	5	226–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	5	226–256
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '226'-'256').	5	226–256
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	3	226–254
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	230
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	230
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	231
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	232
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	233
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	234–236
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	234–236
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	235
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	235

PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	235
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	246
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	266
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	268
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	269
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	272
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	277
StdCyclomaticComplexity	The method 'openFileInBackground' has a Standard Cyclomatic Complexity of 10.	3	286–328
ModifiedCyclomaticComplexity	The method 'openFileInBackground' has a Modified Cyclomatic Complexity of 10.	3	286–328
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	289
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	5	295–328
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	5	295–328
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'worker' (lines '295'-'328').	5	295–328
LocalVariableCouldBeFinal	Local variable 'worker' could be declared final	3	295–326
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	299
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	299
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	300
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	301
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	302
AvoidRethrowingException	A catch statement that catches an exception only to rethrow it should be avoided.	3	303–305
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	306
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	306
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	306
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	307–309
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	307–309
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	308
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	308
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	308
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	318
DefaultPackage	Use explicit scoping instead of the default package private level	3	337–355
CommentDefaultAccessModifier	To avoid mistakes add a comment at the beginning of the handleFileNotFound method if you want a default access modifier	3	337–355
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	338
LocalVariableCouldBeFinal	Local variable 'fileNotFoundWorker' could be declared final	3	340–352
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileNotFoundWorker' (lines '340'-'355').	5	340–355
LongVariable	Avoid excessively long variable names like fileNotFoundWorker	3	340
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'fileNotFoundWorker' (lines '340'-'355').	5	340–355
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	344
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	344
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	345

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	346
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	347
AvoidThrowingNewInstanceOfSameException	A catch statement that catches an exception only to wrap it in a new instance of the same type of exception and throw it should be avoided	3	347–349
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	348
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	348
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	348
MethodArgumentCouldBeFinal	Parameter 'description' is not assigned and could be declared final	3	366
MethodArgumentCouldBeFinal	Parameter 'taskName' is not assigned and could be declared final	3	366
MethodArgumentCouldBeFinal	Parameter 'extension' is not assigned and could be declared final	3	366
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	366
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	5	367–385
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	5	367–385
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'ret' (lines '367'-'385').	5	367–385
LocalVariableCouldBeFinal	Local variable 'fc' could be declared final	3	368
ShortVariable	Avoid variables with short names like fc	3	368
ShortVariable	Avoid variables with short names like f	3	371
MethodArgumentCouldBeFinal	Parameter 'f' is not assigned and could be declared final	3	371
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	372
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	372
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	372
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	372
LocalVariableCouldBeFinal	Local variable 'returnVal' could be declared final	3	380
MethodArgumentCouldBeFinal	Parameter 'fileName' is not assigned and could be declared final	3	394
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	394
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'overwriteAccepted' (lines '395'-'400').	5	395–400
LocalVariableCouldBeFinal	Local variable 'file' could be declared final	3	396
LocalVariableCouldBeFinal	Local variable 'option' could be declared final	3	398
LocalVariableCouldBeFinal	Local variable 'separator' could be declared final	3	414
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	415
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	415
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	415
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	416

jpass/util/ClipboardUtils.java

Rule	Violation	Priority	Line
MethodArgumentCouldBeFinal	Parameter 'str' is not assigned and could be declared final	3	62
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	62
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	62
LocalVariableCouldBeFinal	Local variable 'selection' could be declared final	3	68
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	69

AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	70–72
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	70–72
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	71
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	71
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	71
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	80
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	80
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	82
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	82
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	83–85
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	83–85
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	84
AvoidThrowingRawExceptionTypes	Avoid throwing raw exception types.	1	84
PreserveStackTrace	New exception is thrown in catch block, original stack trace may be lost	3	84
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'result' (lines '94'-'98').	5	94–98
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	96
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	96
LocalVariableCouldBeFinal	Local variable 'contents' could be declared final	3	96
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	97
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	98
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	100–102
EmptyCatchBlock	Avoid empty catch blocks	3	100–102
EmptyCatchBlock	Avoid empty catch blocks	3	100–102
AvoidCatchingThrowable	A catch statement should never catch throwable since it includes errors.	3	100–102
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	103
MethodArgumentCouldBeFinal	Parameter 'flavor' is not assigned and could be declared final	3	121
MethodArgumentCouldBeFinal	Parameter 'flavor' is not assigned and could be declared final	3	126
MethodArgumentCouldBeFinal	Parameter 'clipboard' is not assigned and could be declared final	3	131
MethodArgumentCouldBeFinal	Parameter 'contents' is not assigned and could be declared final	3	131

jpass/util/Configuration.java

Rule	Violation	Priority	Line
CommentRequired	Field comments are required	3	45
CommentRequired	Field comments are required	3	46
SuspiciousConstantFieldName	The field name indicates a constant but its modifiers do not	3	46
VariableNamingConventions	Variables should start with a lowercase character, 'INSTANCE' starts with uppercase character.	1	46
CommentRequired	Field comments are required	3	47
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	47
ImmutableField	Private field 'properties' could be made final; it is only initialized in the declaration or constructor.	3	47
LocalVariableCouldBeFinal	Local variable 'filePath' could be declared final	3	51
LocalVariableCouldBeFinal	Local variable 'is' could be declared final	3	53
CloseResource	Ensure that resources like this FileInputStream object are closed after use	3	53
ShortVariable	Avoid variables with short names like is	3	53
CloseResource	Ensure that resources like this FileInputStream object are closed after use	3	53
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	57
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'configurationFolderPath' (lines '63'-'65').	5	63–65
LongVariable	Avoid excessively long variable names like configurationFolderPath	3	63
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	65–69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	65–69

LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	65–69
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	65–69
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	70
MethodArgumentCouldBeFinal	Parameter 'type' is not assigned and could be declared final	3	76
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	3	76
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	76
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'value' (lines '77'-'81').	5	77–81
LocalVariableCouldBeFinal	Local variable 'prop' could be declared final	3	78
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	81
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	82
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	83
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	83
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	83
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	83
CommentRequired	Public method and constructor comments are required	3	89–91
ShortMethodName	Avoid using short method names	3	89–91
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	89
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	3	89
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	93
CommentRequired	Public method and constructor comments are required	3	93–95
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	3	93
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	3	97
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	97
CommentRequired	Public method and constructor comments are required	3	97–99
CommentRequired	Public method and constructor comments are required	3	101–107
MethodArgumentCouldBeFinal	Parameter 'key' is not assigned and could be declared final	3	101
MethodArgumentCouldBeFinal	Parameter 'defaultValue' is not assigned and could be declared final	3	101
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	4	101
LocalVariableCouldBeFinal	Local variable 'prop' could be declared final	3	102
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	104
CommentRequired	Public method and constructor comments are required	3	109–114
AvoidSynchronizedAtMethodLevel	Use block level rather than method level synchronization	3	109–114

jpass/util/CryptUtils.java

Rule	Violation	Priority	Line
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	55
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	4	55
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	55
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	66
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	66
UseVarargs	Consider using varargs for methods or constructors which take an array the last parameter.	4	66
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	88
SignatureDeclareThrowsException	A method/constructor should not explicitly throw java.lang.Exception	3	88
LocalVariableCouldBeFinal	Local variable 'md' could be declared final	3	89
ShortVariable	Avoid variables with short names like md	3	89
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	90
LocalVariableCouldBeFinal	Local variable 'bytes' could be declared final	3	92
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	93

| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'ret' (lines '114'-'116'). | 5 | 114–116 |
| AvoidCatchingGenericException | Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block | 3 | 115 |

jpass/util/DateUtils.java

Rule	Violation	Priority	Line
CommentRequired	Class comments are required	3	41–71
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	3	41–71
UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	3	41–71
CommentRequired	Field comments are required	3	42
CommentRequired	Public method and constructor comments are required	3	44–53
MethodArgumentCouldBeFinal	Parameter 'format' is not assigned and could be declared final	3	44
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'formatter' (lines '47'-'50').	5	47–50
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	3	48
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	48
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	49
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	49
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	49
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	49
MethodArgumentCouldBeFinal	Parameter 'formatter' is not assigned and could be declared final	3	55
MethodArgumentCouldBeFinal	Parameter 'dateString' is not assigned and could be declared final	3	55
CommentRequired	Public method and constructor comments are required	3	55–70
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dateTime' (lines '58'-'63').	5	58–63
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	59
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	3	59
LocalVariableCouldBeFinal	Local variable 'date' could be declared final	3	62
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'dateTime' (lines '63'-'66').	5	63–66
AvoidCatchingGenericException	Avoid catching generic exceptions such as NullPointerException, RuntimeException, Exception in try-catch block	3	64
AvoidCatchingNPE	Avoid catching NullPointerException; consider removing the cause of the NPE.	3	64
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	65
GuardLogStatement	Logger calls should be surrounded by log level guards.	2	65
GuardLogStatementJavaUtil	Logger calls should be surrounded by log level guards.	2	65
GuardDebugLogging	Logger calls should be surrounded by log level guards.	2	65
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	69

jpass/util/SpringUtilities.java

Rule	Violation	Priority	Line
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	1	42–189
ClassWithOnlyPrivateConstructorsShouldBeFinal	A class which only has private constructors should be final	1	42–189
MethodArgumentCouldBeFinal	Parameter 'initialY' is not assigned and could be declared final	3	61
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	61
MethodArgumentCouldBeFinal	Parameter 'xPad' is not assigned and could be declared final	3	61
MethodArgumentCouldBeFinal	Parameter 'rows' is not assigned and could be declared final	3	61
MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	3	61

Rule	Message		
MethodArgumentCouldBeFinal	Parameter 'yPad' is not assigned and could be declared final	3	61
MethodArgumentCouldBeFinal	Parameter 'initialX' is not assigned and could be declared final	3	61
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'layout' (lines '64'-'122').	5	64–122
LocalVariableCouldBeFinal	Local variable 'xPadSpring' could be declared final	3	69
LocalVariableCouldBeFinal	Local variable 'yPadSpring' could be declared final	3	70
LocalVariableCouldBeFinal	Local variable 'initialXSpring' could be declared final	3	71
LocalVariableCouldBeFinal	Local variable 'initialYSpring' could be declared final	3	72
LocalVariableCouldBeFinal	Local variable 'max' could be declared final	3	73
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	77
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	78
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	78
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	3	80
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	82
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	83
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	3	89
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	91
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	92
LocalVariableCouldBeFinal	Local variable 'cons' could be declared final	3	100
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	103
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	105
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	109
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	111
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	117
LocalVariableCouldBeFinal	Local variable 'pCons' could be declared final	3	117
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	118–119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	119
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	120–121
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	121
MethodArgumentCouldBeFinal	Parameter 'col' is not assigned and could be declared final	3	125
MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	3	125
MethodArgumentCouldBeFinal	Parameter 'row' is not assigned and could be declared final	3	125
MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	125
LocalVariableCouldBeFinal	Local variable 'layout' could be declared final	3	126
LocalVariableCouldBeFinal	Local variable 'c' could be declared final	3	127
ShortVariable	Avoid variables with short names like c	3	127
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	128
MethodArgumentCouldBeFinal	Parameter 'initialX' is not assigned and could be declared final	3	145
MethodArgumentCouldBeFinal	Parameter 'initialY' is not assigned and could be declared final	3	145

MethodArgumentCouldBeFinal	Parameter 'parent' is not assigned and could be declared final	3	145
MethodArgumentCouldBeFinal	Parameter 'cols' is not assigned and could be declared final	3	145
MethodArgumentCouldBeFinal	Parameter 'rows' is not assigned and could be declared final	3	145
MethodArgumentCouldBeFinal	Parameter 'yPad' is not assigned and could be declared final	3	146
MethodArgumentCouldBeFinal	Parameter 'xPad' is not assigned and could be declared final	3	146
DataflowAnomalyAnalysis	Found 'DU'-anomaly for variable 'layout' (lines '149'-'188').	5	149–188
ShortVariable	Avoid variables with short names like x	3	155
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	159
LocalVariableCouldBeFinal	Local variable 'constraints' could be declared final	3	162
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	163
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	164
ShortVariable	Avoid variables with short names like y	3	170
LawOfDemeter	Potential violation of Law of Demeter (method chain calls)	3	174
LocalVariableCouldBeFinal	Local variable 'constraints' could be declared final	3	177
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	178
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	179
LocalVariableCouldBeFinal	Local variable 'pCons' could be declared final	3	185
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	185
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	186
LawOfDemeter	Potential violation of Law of Demeter (object not created locally)	3	187

jpass/util/StringUtils.java

Rule	Violation	Priority	Line
CyclomaticComplexity	The method 'stripNonValidXMLCharacters(String)' has a cyclomatic complexity of 13.	3	52–70
ShortVariable	Avoid variables with short names like in	3	52
CyclomaticComplexity	The method 'stripNonValidXMLCharacters(String)' has a cyclomatic complexity of 13.	3	52–70
AvoidPrefixingMethodParameters	Avoid prefixing parameters by in, out or inOut. Uses Javadoc to document this behavior.	4	52
OnlyOneReturn	A method should have only one exit point, and that should be the last statement in the method	3	54
LocalVariableCouldBeFinal	Local variable 'out' could be declared final	3	56
UselessParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	60
UnnecessaryParentheses	Useless parentheses.	4	60
UnnecessaryParentheses	Useless parentheses.	4	60
UnnecessaryParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	60
UselessParentheses	Useless parentheses.	4	61
UselessParentheses	Useless parentheses.	4	61
UnnecessaryParentheses	Useless parentheses.	4	61
UnnecessaryParentheses	Useless parentheses.	4	61
UselessParentheses	Useless parentheses.	4	61
UselessParentheses	Useless parentheses.	4	61

UselessParentheses	Useless parentheses.	4	61
UselessParentheses	Useless parentheses.	4	61
UnnecessaryParentheses	Useless parentheses.	4	61
UselessParentheses	Useless parentheses.	4	62
UnnecessaryParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	62
UnnecessaryParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	62
UnnecessaryParentheses	Useless parentheses.	4	62
UselessParentheses	Useless parentheses.	4	63
UnnecessaryParentheses	Useless parentheses.	4	63
UselessParentheses	Useless parentheses.	4	63
UnnecessaryParentheses	Useless parentheses.	4	63
UselessParentheses	Useless parentheses.	4	63
UselessParentheses	Useless parentheses.	4	63
UnnecessaryParentheses	Useless parentheses.	4	63
UselessParentheses	Useless parentheses.	4	63
UselessParentheses	Useless parentheses.	4	63
CommentRequired	Public method and constructor comments are required	3	72–74
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	72
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	3	76
MethodArgumentCouldBeFinal	Parameter 'text' is not assigned and could be declared final	3	76
CommentRequired	Public method and constructor comments are required	3	76–82
DataflowAnomalyAnalysis	Found 'DD'-anomaly for variable 'result' (lines '77'-'79').	5	77–79

jpass/xml/bind/Entries.java

Rule	Violation	Priority	Line
AtLeastOneConstructor	Each class should declare at least one constructor	3	28–59
CommentRequired	Field comments are required	3	30
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	30

jpass/xml/bind/Entry.java

Rule	Violation	Priority	Line
DataClass	The class 'Entry' is suspected to be a Data Class (WOC=0.000%, NOPA=0, NOAM=13, WMC=14)	3	40–175
CommentRequired	Field comments are required	3	42
CommentRequired	Field comments are required	3	43
CommentRequired	Field comments are required	3	44
CommentRequired	Field comments are required	3	45
CommentRequired	Field comments are required	3	46
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	47
CommentRequired	Field comments are required	3	47
CommentRequired	Field comments are required	3	48
CommentRequired	Public method and constructor comments are required	3	50–56
LocalVariableCouldBeFinal	Local variable 'now' could be declared final	3	51–53
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	3	72

MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	3	90
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	3	108
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	3	126
MethodArgumentCouldBeFinal	Parameter 'value' is not assigned and could be declared final	3	144
MethodArgumentCouldBeFinal	Parameter 'date' is not assigned and could be declared final	3	162

jpass/xml/converter/XmlConverter.java

Rule	Violation	Priority	Line
CommentRequired	Field comments are required	3	48
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	48
CommentRequired	Field comments are required	3	49
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	3	49
CommentRequired	Public method and constructor comments are required	3	51–58
MethodArgumentCouldBeFinal	Parameter 'documentClass' is not assigned and could be declared final	3	51
LocalVariableCouldBeFinal	Local variable 'module' could be declared final	3	53
MethodArgumentCouldBeFinal	Parameter 'outputStream' is not assigned and could be declared final	3	67
MethodArgumentCouldBeFinal	Parameter 'document' is not assigned and could be declared final	3	67
MethodArgumentCouldBeFinal	Parameter 'inputStream' is not assigned and could be declared final	3	78