Analiza dinamica

- ➤ PMD Results (385 violations in 12 scanned files using 7 rule sets)
 - > category/java/bestpractices (54 violations)
 - > category/java/codestyle (129 violations)
 - > category/java/design (46 violations)
 - > category/java/documentation (106 violations)
 - > category/java/errorprone (50 violations)

Best practices

- category/java/bestpractices (54 violations)
 - > SystemPrintln (11 violations)
 - > UnusedImports (9 violations)
 - > UnusedPrivateField (12 violations)
 - > MissingOverride (3 violations)
 - LooseCoupling (2 violations)
 - > AvoidPrintStackTrace (9 violations)
 - > UnusedAssignment (3 violations)
 - > LiteralsFirstInComparisons (1 violation)
 - > AvoidReassigningParameters (1 violation)
 - PreserveStackTrace (2 violations)
 - UnusedLocalVariable (1 violation)

ClassName	Number Of violations
Client	4
ServerServiceController	20
Server	6
GuiController	2
MyPanel	4
UserService	12
ServerService	6
Total	54

Code Style:

- category/java/codestyle (129 violations)
 - > NoPackage (2 violations)
 - > MethodArgumentCouldBeFinal (51 violations)
 - > LocalVariableCouldBeFinal (29 violations)
 - > UnnecessaryImport (9 violations)
 - > CommentDefaultAccessModifier (1 violation)
 - > DefaultPackage (1 violation)
 - > UseDiamondOperator (6 violations)
 - > LongVariable (7 violations)
 - > AtLeastOneConstructor (1 violation)
 - > FieldNamingConventions (1 violation)
 - > VariableNamingConventions (1 violation)
 - > ShortVariable (6 violations)
 - > CallSuperInConstructor (1 violation)
 - > ShortClassName (1 violation)
 - > ClassNamingConventions (2 violations)
 - > OnlyOneReturn (2 violations)
 - > AvoidPrefixingMethodParameters (1 violation)
 - > IdenticalCatchBranches (1 violation)
 - > UnnecessaryConstructor (1 violation)
 - > IfStmtsMustUseBraces (1 violation)
 - > ControlStatementBraces (2 violations)
 - > PrematureDeclaration (1 violation)
 - > IfElseStmtsMustUseBraces (1 violation)

ClassName	Number Of violations
Client	22
ServerServiceController	37
Server	31
GuiController	11
MyPanel	5
UserService	12
ServerService	11
Total	129

Design

✓ category/java/design (46 violations)

- > UseUtilityClass (4 violations)
- > MutableStaticState (1 violation)
- > ExcessiveMethodLength (1 violation)
- > ImmutableField (2 violations)
- > TooManyFields (1 violation)
- > LawOfDemeter (14 violations)
- > DataClass (2 violations)
- > ModifiedCyclomaticComplexity (2 violations)
- > StdCyclomaticComplexity (2 violations)
- > AvoidCatchingGenericException (9 violations)
- > AvoidUncheckedExceptionsInSignatures (2 violations)
- > SignatureDeclareThrowsException (2 violations)
- > AvoidRethrowingException (1 violation)
- > CognitiveComplexity (1 violation)
- > CyclomaticComplexity (1 violation)
- > CollapsibleIfStatements (1 violation)

ClassName	Number Of violations
Client	7
ServerServiceController	11
Server	6
GuiController	7
MyPanel	5
UserService	6
ServerService	9
UsernameAlreadyEistsException	1
Total	46

Documentation

- ✓ category/java/documentation (106 violations)
 - > CommentRequired (90 violations)
 - CommentSize (13 violations)
 - > UncommentedEmptyConstructor (3 violations)

ClassName	Number Of violations
Client	21
ServerServiceController	27
Server	17
GuiController	7
MyPanel	6
UserService	12
ServerService	14
UsernameAlreadyEistsException	1
CouldNotWriteUsersException	1
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Total	106

ErrorProne

category/java/errorprone (50 violations)

- > CloseResource (6 violations)
- > DontImportSun (1 violation)
- > DataflowAnomalyAnalysis (11 violations)
- > MissingSerialVersionUID (4 violations)
- > BeanMembersShouldSerialize (10 violations)
- > AssignmentToNonFinalStatic (9 violations)
- > AvoidCatchingNPE (3 violations)
- > EmptyCatchBlock (1 violation)
- > AssignmentInOperand (1 violation)
- > AvoidLiteralsInlfCondition (3 violations)
- > UseProperClassLoader (1 violation)

ClassName	Number Of violations
Client	17
ServerServiceController	5
Server	8
GuiController	9
MyPanel	6
UserService	3
ServerService	2
UsernameAlreadyEistsException	
CouldNotWriteUsersException	
Total	50

Analiza dinamica

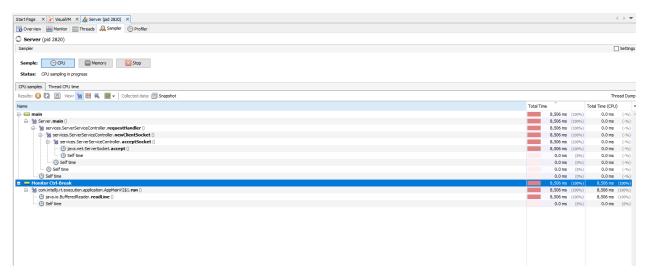
1. Monitors:



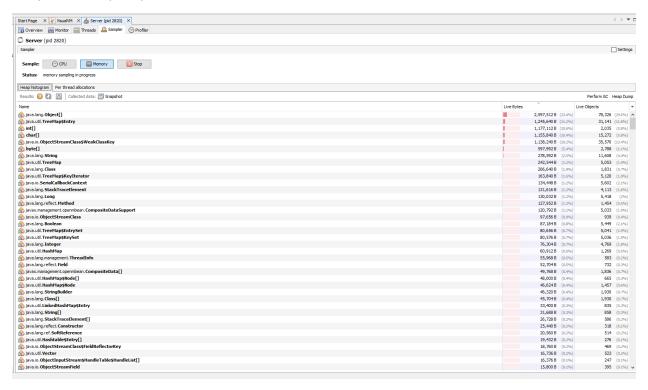
Threads:



Sampler cpu



Sampler memory heap:



Sampler memory Threads:

