

Relatório codesmells G22

God Class

Refactoring Type	Source Class/General Concept	Extractable Concept	Source/Extracted accessed members
▼	guiSideB.GuiQualidadeRegras		0/19
>	[combo]		
▼	CodeSmellDetectionEvaluator.CodeSmellDetectionEvaluator		0/8
>	[method]		
>	[packag]		
▼	guiSideB.GuiEditorRegras		0/8
>	[regra]		
▼	guiSideB.GuiExtracaoMetricas		0/8
>	[export]		
▼	guiSideB.GuiDadosImportados		0/4
>	[tree]		
▼	guiSideB.MenuBar		0/4
>	[button]		
▼	guiSideB.Gui_editorRegras_VerRegras		0/2
>	[button]		
>	[tabl, select, tree, updat, rule]		
▼	guiSideB.RuleObjectEdit		0/2
>	[new, edit, threshold, thresholdlbl, object, info]		
▼	metrics.Class		0/1
>	[smell]		
▼	guiSideB.ProjMainGui		1/2
>	[button]		

Long Method

Refactoring Type	Source Method	Variable Criterion
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	r2
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	rule_info_2
>	guiSideB.GuiQualidadeRegras:private void updateMatrix(java.lang.String, java.lang.String, java.lang.Strin...	mapa
>	metrics.ConstructorParser:public sealed void visit(com.github.javaparser.ast.body.ConstructorDeclaratio...	methods
>	metrics.MethodParser:public sealed void visit(com.github.javaparser.ast.body.MethodDeclaration, java.la...	methods
>	metrics.ConstructorParser:public sealed void visit(com.github.javaparser.ast.body.ConstructorDeclaratio...	method
>	metrics.MethodParser:public sealed void visit(com.github.javaparser.ast.body.MethodDeclaration, java.la...	method
>	guiSideB.GuiDadosImportados:private void updateTree(List<metrics.Package>)	ti2
>	guiSideB.GuiExtracaoMetricas:private void updateTree(List<metrics.Package>)	ti2
>	guiSideB.GuiExtracaoMetricas:private void updateTree(List<metrics.Package>)	ti3
>	rules.SaveLoadRule:public static List<rules.Rule> LoadRules(java.lang.String)	rule
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	r3
>	org.eclipse.wb.swt.SWTResourceManager:public static org.eclipse.swt.graphics.Font getFont(java.lang.Str...	logFontClass
>	guiSideB.GuiQualidadeRegras:private void updateTree(List< CodeSmellDetectionEvaluator.PackageEvalua...	ti2
>	guiSideB.ProjMainGui:protected void createContents()	shell
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	r1
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	rule_info_3
>	tests.RuleTest:static void ruleTest5()	rule_info_5
>	tests.SaveLoadRuleTest:static void setUpBeforeClass() throws java.lang.Exception	array_ruleobject
>	rules.SaveLoadRule:public static List<rules.Rule> LoadRules(java.lang.String)	rule_info
>	rules.SaveLoadRule:public static void SaveRules(ArrayList<rules.Rule>, java.lang.String)	fileRules
>	guiSideB.GuiQualidadeRegras:private void updateTree(List< CodeSmellDetectionEvaluator.PackageEvalua...	ti3
>	guiSideB.GuiQualidadeRegras:private void fillCombo(org.eclipse.swt.widgets.Combo, List<java.lang.Strin...	comboBox
>	excel.ExcelWrite:public void addMetrics(ArrayList<metrics.Package>)	metrics
>	metrics.ConstructorParser:public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.MethodParser:public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	guiSideB.GuiQualidadeRegras:private void fillCombo(org.eclipse.swt.widgets.Combo, List<java.lang.Strin...	result
>	guiSideB.ProjMainGui:protected void createContents()	gridData
>	guiSideB.ProjMainGui:public void open()	myObj
>	guiSideB.ProjMainGui:public void open()	shell
>	rules.SaveLoadRule:public static List<rules.Rule> LoadRules(java.lang.String)	ro
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	rule_info_1
>	excel.ExcelRead:public void getCellsTypes(Iterator<org.apache.poi.ss.usermodel.Row>)	cells
>	metrics.ClassParser:public void classconstructor(metrics.Class, metrics.ConstructorParser)	class2
>	metrics.ClassParser:public void classmethod(metrics.Class, metrics.MethodParser)	class2
>	guiSideB.Gui_editorRegras_VerRegras:private void updateTree(List<rules.Rule>)	ti
>	tests.ClassTest:static void setUpBeforeClass() throws java.lang.Exception	c1
>	tests.DirectoryGetterTest:final void getDirTest()	dg2
>	tests.RuleObjectTest:final void getClassMetricTest()	c_1
>	tests.RuleObjectTest:static void setUpBeforeClass() throws java.lang.Exception	method
>	guiSideB.GuiDadosImportados:protected void firstFill(java.lang.String, List<metrics.Package>)	dirProj_txt
>	guiSideB.GuiEditorRegras:protected void verRegras()	ver_regra
>	guiSideB.GuiEditorRegras:public void setAviso(java.lang.String)	box
>	guiSideB.GuiExtracaoMetricas:protected void firstFill(java.lang.String, List<metrics.Package>)	dirProj_txt
>	rules.Rule:public void editThreshold(rules.RuleObject, rules.RuleObject)	rule_info
>	tests.DirectoryGetterTest:static void setUpBeforeClass() throws java.lang.Exception	dg3
>	tests.ExcelReadTest:void testVerifyExistsCodeSmell()	er_2
>	tests.RuleEvaluatorTest:static void setUpBeforeClass() throws java.lang.Exception	c1
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	comparator_2
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	rule_info_5
>	tests.RuleTest:static void setUpBeforeClass() throws java.lang.Exception	threshold_2
>	tests.UtilsTest:static void setUpBeforeClass() throws java.lang.Exception	ce2
>	tests.UtilsTest:static void setUpBeforeClass() throws java.lang.Exception	me1

>	tests.UtilsTest::static void setUpBeforeClass() throws java.lang.Exception	me1
>	excel.ExcelRead::public void ChooseCell(org.apache.poi.ss.usermodel.Cell)	class_name
>	guiSideB.GuiDatosImportados::private void updateTree(List<metrics.Package>)	ti3
>	metrics.ConstructorParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.MethodParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.ConstructorParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.MethodParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.ConstructorParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.MethodParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	excel.ExcelRead::public void ChooseCell(org.apache.poi.ss.usermodel.Cell)	packages
>	guiSideB.ProjMainGui::private boolean assertBaseRules()	longmethod
>	metrics.ConstructorParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	metrics.MethodParser::public void loop(List<com.github.javaparser.ast.stmt.Statement>)	stmt2
>	guiSideB.ProjMainGui::private boolean assertBaseRules()	godclass
>	excel.ExcelRead::public void ChooseCell(org.apache.poi.ss.usermodel.Cell)	currentPackage
>	excel.ExcelWrite::public void writeFile(java.lang.String, ArrayList<metrics.Package>) throws java.io.IOException...	fileOut
>	excel.ExcelWrite::public void writeFile(java.lang.String, ArrayList<metrics.Package>) throws java.io.IOException...	fileOut
>	excel.ExcelRead::public void ChooseMetric(java.lang.String, org.apache.poi.ss.usermodel.Cell)	currentClass
>	excel.ExcelRead::public void ChooseMetric(java.lang.String, org.apache.poi.ss.usermodel.Cell)	currentMethod
>	guiSideB.ProjMainGui::protected void runCodeSmellAutoEval()	csde
>	excel.ExcelRead::public ArrayList<metrics.Package> ReadFile()	cells

Feature Envy

Refactoring Type	Source Entity	Target Class	Source/Target accessed members	Rate it!
Move Method	metrics.ClassParser::classmethod(metrics.Class, metrics.MethodParser):void	metrics.Class	0/7	
Move Method	metrics.ClassParser::classconstructor(metrics.Class, metrics.ConstructorParser):void	metrics.Class	0/7	
Move Method	excel.ExcelRead::ChooseMetric(java.lang.String, org.apache.poi.ss.usermodel.Cell):void	metrics.Class	2/6	