Relatório Métricas e Code Smells

Métricas do Projeto

Metric	Total	Mean	Std. Dev.	Maxim...	Resource causing Maximum	Method
McCabe Cyclomatic Complexity (avg/max per		1,511	1,41	11	/CalendarioSwing/src/com/SwingCalendar/Parser.java	parser
Number of Parameters (avg/max per method)		0,745	1,121	6	/CalendarioSwing/src/com/SwingCalendar/Calendar...	CalendarEvent
Nested Block Depth (avg/max per method)		1,226	0,828	6	/CalendarioSwing/src/com/SwingCalendar/Parser.java	parser
Afferent Coupling (avg/max per packageFragr		0	0	0	/CalendarioSwing/src/com/SwingCalendar	
Efferent Coupling (avg/max per packageFragm		3,5	0,5	4	/CalendarioSwing/tests/com/SwingCalendar	
Instability (avg/max per packageFragment)		1	0	1	/CalendarioSwing/src/com/SwingCalendar	
Abstractness (avg/max per packageFragment)		0,088	0,088	0,176	/CalendarioSwing/src/com/SwingCalendar	
Normalized Distance (avg/max per packageFra		0,088	0,088	0,176	/CalendarioSwing/src/com/SwingCalendar	
Depth of Inheritance Tree (avg/max per type)		1,619	1,43	5	/CalendarioSwing/src/com/SwingCalendar/BarChart...	
Weighted methods per Class (avg/max per type	207	9,857	14,604	71	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Children (avg/max per type)	4	0,19	0,499	2	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Overridden Methods (avg/max per	8	0,381	0,844	3	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Lack of Cohesion of Methods (avg/max per typ		0,128	0,273	0,786	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Attributes (avg/max per type)	21	1,476	1,622	6	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Static Attributes (avg/max per type)	7	0,333	1,491	7	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Methods (avg/max per type)	131	6,238	8,164	38	/CalendarioSwing/src/com/SwingCalendar/Calendar...	
Number of Static Methods (avg/max per type)	6	0,286	0,765	3	/CalendarioSwing/src/com/SwingCalendar/Main.java	
Specialization Index (avg/max per type)		0,188	0,708	3,333	/CalendarioSwing/src/com/SwingCalendar/BarChart...	
Number of Classes (avg/max per packageFragr	21	10,5	6,5	17	/CalendarioSwing/src/com/SwingCalendar	
Number of Interfaces (avg/max per packageFra	2	1	1	2	/CalendarioSwing/src/com/SwingCalendar	
Number of Packages	2					
Total Lines of Code	1280					
Method Lines of Code (avg/max per method)	749	5,467	21,31	243	/CalendarioSwing/src/com/SwingCalendar/Main.java	main

Code Smells :
(Após a resolução dos code Smells)

God Class

Refactoring type	Source Method	Variable Criteria	Block-based region	Duplicated/Extracted

Long Method

Refactoring type	Source Method	Variable Criteria	Block-based region	Duplicated/Extracted
com.SwingCalendar. Parser	public void parser() throws java.io.IOException	writer	B10	0/7
com.SwingCalendar. Parser	public void parser() throws java.io.IOException	writer	B13	0/3
com.SwingCalendar. Main	public static void main(java.lang.String[]) throws com.google.gson.JsonSyntaxException, com.google.gson.JsonIOException, java.io.IOException	evento	B6	0/4
com.SwingCalendar. Parser	public void parser() throws java.io.IOException	f1	B4	0/4
com.SwingCalendar. Calendar	void calculateScaleVars()	width	B1	0/3
com.SwingCalendar. BarChart	protected sealed void paintComponent(java.awt. Graphics)	max	B1	0/3
com.SwingCalendar. BarChart	protected sealed void paintComponent(java.awt. Graphics)	max	B2	0/2
com.SwingCalendar. Calendar	void calculateScaleVars()	height	B1	0/3
com.SwingCalendar. Calendar	void calculateScaleVars()	height	B3	0/2
com.SwingCalendar. CalendarProduct	public void fireCalendarEventClick(com.SwingCalendar.CalendarEvent, com.SwingCalendar.Calendar)	calendarEventClickEvent	B3	1/2
com.SwingCalendar. CalendarProduct	public void fireCalendarEventClick(com.SwingCalendar.CalendarEvent, com.SwingCalendar.Calendar)	calendarEventClickEvent	B3	1/2
com.SwingCalendar. Main	public static void main(java.lang.String[]) throws	frm	B1	36/39

	com.google.gson.JsonSyntaxException, com.google.gson.JsonIOException, java.io.IOException			

Type Checking

Refactoring type	Source Method	Variable Criteria	Block-based region	Duplicated/Extracted

Feature Envy

Refactoring type	Source Method	Variable Criteria	Block-based region	Duplicated/Extracted