Java Inspection Checklist

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	1.	Variable, Attribute, and Constant Declaration Defects (VC)
A		Are descriptive variable and constant names used in accord with naming conventions? Are there variables or attributes with confusingly similar names? Is every variable and attribute correctly typed? Is every variable and attribute properly initialized? Could any non-local variables be made local? Are all for-loop control variables declared in the loop header? Are there literal constants that should be named constants? Are there variables or attributes that should be constants? Are there attributes that should be local variables? Do all attributes have appropriate access modifiers (private, protected, public)? Are there static attributes that should be non-static or vice-versa?
	2.]	Method Definition Defects (FD)
	≤ ✓	Are descriptive method names used in accord with naming conventions? Is every method parameter value checked before being used? For every method: Does it return the correct value at every method return point? Do all methods have appropriate access modifiers (private, protected, public)? Are there static methods that should be non-static or vice-versa?
	3.	Class Definition Defects (CD)
NA	/×	Does each class have appropriate constructors and destructors? Do any subclasses have common members that should be in the superclass? Can the class inheritance hierarchy be simplified?
	4.]	Data Reference Defects (DR)
NIA		For every array reference: Is each subscript value within the defined bounds? For every object or array reference: Is the value certain to be non-null?
rori	5. (Computation/Numeric Defects (CN)
	⊠	Are there any computations with mixed data types? Is overflow or underflow possible during a computation? For each expressions with more than one operator: Are the assumptions about order of evaluation and precedence correct? Are parentheses used to avoid ambiguity?
	6.	Comparison/Relational Defects (CR)
Avy Aig		For every boolean test: Is the correct condition checked? Are the comparison operators correct? Has each boolean expression been simplified by driving negations inward? Is each boolean expression correct? Are there improper and unnoticed side-effects of a comparison? Has an "&" inadvertently been interchanged with a "&&" or a " " for a " "?

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W/A ros	7. (Control Flow Defects (CF)
Comentanios		For each loop: Is the best choice of looping constructs used? Will all loops terminate? When there are multiple exits from a loop, is each exit necessary and handled properly? Does each switch statement have a default case? Are missing switch case break statements correct and marked with a comment? Do named break statements send control to the right place? Is the nesting of loops and branches too deep, and is it correct? Can any nested if statements be converted into a switch statement? Are null bodied control structures correct and marked with braces or comments? Are all exceptions handled appropriately? Does every method terminate?
Property (8) 1	Input-Output Defects (IO)
		Have all files been opened before use? Are the attributes of the input object consistent with the use of the file? Have all files been closed after use? Are there spelling or grammatical errors in any text printed or displayed? Are all I/O exceptions handled in a reasonable way?
	9. 1	Module Interface Defects (MI)
Alle,	V	Are the number, order, types, and values of parameters in every method call in agreement with the called method's declaration? Do the values in units agree (e.g., inches versus yards)? If an object or array is passed, does it get changed, and changed correctly by the called method?
	10.	Comment Defects (CM)
Solver Solver		Does every method, class, and file have an appropriate header comment? Does every attribute, variable, and constant declaration have a comment? Is the underlying behavior of each method and class expressed in plain language? Is the header comment for each method and class consistent with the behavior of the method or class? Do the comments and code agree? Do the comments help in understanding the code? Are there enough comments in the code? Are there too many comments in the code?
	11.	Layout and Packaging Defects (LP)
	∇	Is a standard indentation and layout format used consistently? For each method: Is it no more than about 60 lines long? For each compile module: Is no more than about 600 lines long?
	12.	Modularity Defects (MO)
		Is there a low level of coupling between modules (methods and classes)? Is there a high level of cohesion within each module (methods or class)? Is there repetitive code that could be replaced by a call to a method that provides the behavior of the repetitive code? Are the Java class libraries used where and when appropriate?

e object or array is no longer needed?
hms be used? essful and inexpensive tests precede the s? computing it once and storing the results? used? done? et can be combined into one? inline?
Nova versod: -> foram adicionados os comentarios

e na classe rules
faltam a penas
comentarios -> não
fiz c. list porque e
Una classe demasiado
pequene