Sample Inspection Report

Assignment 4, CISC 323, winter 2002

Name of Inspector: <u>Margaret Lamb</u>

Class Being Inspected: <u>StringList</u>

Issues:

Description	line number	checklist item number
Comment is not very informative. Needs to say this is a singly-linked list of Strings.	34	
Variable named "string" is potentially confusing because it differs from the class name ("String") only by capitalization. A better name might be "contents" or "head", or even just "str".	40	6-4
Need a comment explaining the role of these 2 instance variables	40-41	6-3
Header comment for this constructor should mention that it raises an exception if string is null	59	2-2
Using "++" inside an expression is confusing; should separate into 2 statements.	103	5-2
Continuation condition inside for should be i >= 0 or the result will be missing the first string (element 0) from the array.	113	___
No toString method		8-1

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Name of Inspector: <u>Margaret Lamb</u>

Class Being Inspected: <u>Matcher</u>

Issues:

Description	line number	checklist item number
comment should be "does *not*" contain "%'"	35	6-2
need comment(3) explaining role of instance variables	47-50	6-3
@return comment is not clear; an example would help	72-73	
Variable named "string" is potentially confusing because it differs from the class name ("String") only by capitalization.	75	6-4
The methods in this class will raise NullPointerExceptions if the strings passed in are null. (The only exception is the "match" parameter to the "subst" method.) This should be documented in the method headers.	56, 75, 91, 112, 119	2-1
"i" is not a descriptive name. (A matter of preference here, but in my opinion, single-character names are fine for loop counters but not for variables such as this which do a bit more.)	94	6-4
in "isPatternOK", you could exit the loop and return as soon as 2 wildcards are found	121-124	3-2
line is indented too far and looks like part of for loop body	124	1-2
no toString method		8-1

Inspection Report

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Name of Inspector: <u>Margaret Lamb</u>

Class Being Inspected: <u>StringUtils</u>

Issues:

Description	line number	checklist item number
Explanation of the "list" parameter for 2 of the methods is just given in the class header, where it's easy to miss. It should be explained in the method headers.	40	6-1
A null pattern or replacement parameter will raise a NullPointerException. This should be documented.	60	2-1
use of dummy list headers should be commented	67, 98	6-1
purpose of head & last variables should be commented	67-68, 98-99	6-1
stringSubst is very similar to Mathcer.subst. The code is identical except that stringSubst uses a String pattern and Matcher.subst uses a fixed one-character pattern. Could they be combined?	116	5-3
null string parameters may cause this method to raise a NullPointerException. This should be documented.	116	2-1
i is not a descriptive variable name	119	6-4
question: What does indexOf do if pattern is null or ""? The behavior of the method in this case should be documented.	119	
no toString method		8-1