

# SENG 300 WINTER 2020

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Tutorial Number: 4

## ASSIGNMENT 3

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## *Inspection Checklist*

### Reference

<https://users.csc.calpoly.edu/~jdalbey/301/Forms/CodeReviewChecklistJava.pdf>

### Checklist

1. Is there any redundant import statement included?
2. Is the correct method being called, or should it be a different method with a similar or same name?
3. Are there any 'if/else if' statement contains empty statements inside?
4. Do all switch statements have a default branch?
5. Are there any typo or redundancy in comments?
6. Are there any unused variables/constants/functions/parameters?
7. Are there any redundant inheritance?
8. Are comments complete and readable?
9. Is there any switch block that misses default branch?
10. Is the source file placed in the correct path which conforms its package name?
11. Is the logic and the usage of parameters of the implementation of the function correct?
12. Does the switch statement contain the incorrect fallthrough or not contain the correct fallthrough?
13. Does the tag in the comment miss or have incorrect values or is it redundant?
14. Does the comment use the correct tag?
15. Does the function have a mismatched 'return' statement?

Sr. No.	Code Line #	Description	Severity	Reference from Checklist
1	2	Redundant import statement since we don't need every facility in java.util.	Minor	1
2	4	The source file does not locate in the right path that conforms the package name, which will lead to an compile error.	Major	10
3	8	The word 'suite' should be 'suite'.	Minor	5
4	9	The tag 'author' misses its value.	Minor	13

5	12	The class 'Example' has explicitly extended java.lang.Object, it is redundant to declare it again.	Minor	7
6	14	The constant 'ONE' is unused.	Minor	6
7	17	The word 'constructer' should be 'constructor'.	Minor	5
8	19	For constructors, tag 'return' is not reasonable since constructors will not return anything.	Minor	15
9	26	The comment is imcompleted and will confuse readers.	Minor	5
10	28	Since the function 'f1' has no parameters, the tag 'param' should not exist.	Minor	13
11	29	The tag 'author' misses its value.	Minor	13
12	30	The tag 'since' misses its value.	Minor	13
13	31	The tag 'version' misses its value.	Minor	13
14	33	The function 'f1' is unused.	Minor	6
15	38	Since in line 38# and line 40# the variable 'z' has been set to different values, the fallthrough in 38# is incorrect and we should add 'break' after it.	Major	12
16	41	Since in line 40# and line 43# the variable 'z' has been set to the same value, the 'break' in #41 is redundant and we should use fallthrough instead.	Minor	12
17	45	The default branch is missing.	Minor	4
18	46	Since a redundant ';' is here, the next statement will be executed without checking if 'z > 4'.	Major	3
19	51	All parameters in the function are unused.	Minor	6
20	51	The function 'f2' is unused.	Minor	6
21	59	The order of 'tag's is wrong, the tag for the second parameter should come out first.	Minor	14
22	60	The order of 'tag's is wrong, the tag for the third parameter should place here. Also, the word 'secodn' should be 'second'.	Minor	14

23	62	The description is wrong, it should be the 'product' instead of 'sum'.	Minor	5
24	64	The fourth parameter is missing.	Major	11
25	64	The name of the function should be 'product' instead of 'sum'.	Minor	2
26	64	The current function has naming conflicts with the function defined in line #77, which will lead to a compile error.	Major	2
27	64	The function is unused.	Minor	6
28	65	The fourth parameter is missing.	Major	11
29	72	The order of 'tag's is wrong, the tag for the second parameter should come out first.	Minor	14
30	73	The order of 'tag's is wrong, the tag for the third parameter should place here. Also, the word 'secodn' should be 'second'.	Minor	14
31	74	We do not have the fourth parameter in this function thus the tag is redundant.	Minor	13
32	75	Since the function will return the maximal of three arguments given, the value of the tag is wrong.	Minor	13
33	77	The name of the function should conform its functionality.	Minor	2
34	77	The function is unused.	Minor	6
35	78	The implementation of the algorithm in the function is wrong and the third argument will return instead of the maximal of three arguments given.	Major	11
36	82	The description of the function in comments is insufficient.	Minor	8
37	85	The word 'argv' should be 'args'.	Minor	13