Item	Possible	Earned	Notes
	Points	Points	1,000
Program design for Project 4	1011113	8	(-2) The logic diagram does not show the
 Program design is appropriate for the specifications 			loop for the factorial calculation. for loops
A correct class diagram is provided for all classes (not			are diagramed like while loops.
needed for the main program class and not required			
for this project)			
 Design documentation reflects actual logic of code 			
 All methods are documented 			
 No diagram is larger than one page (8 ½ by 11 inches 			
with ½ inch margins on all sides)			
 If using flowcharts to diagram the logic: 			
 Each flowchart begins and ends with a terminator 			
symbol			
Note: the main method beginning terminator			
contains the word main (). The main method			
ending terminator contains the word return.			
Because you do not write the code that calls the			
main method, you will not have any flowcharts			
where the beginning terminator contains the word			
START and the ending terminator contains the			
word END.			
 The appropriate symbol is used Only one task per process symbol (the rectangle);			
each variable declaration should be in its own			
symbol; show the entire formula for calculations			
• Every symbol (except a terminator) has at least one			
flowline leading to it and one and only one			
flowline leading from it.			
• If using structured pseudocode to diagram the logic:			
 The pseudocode is appropriately indented 			
 Each variable declaration is on its own line 			
 The entire formula is shown for calculations 			
 Selection and iteration blocks have a clear 			
beginning and ending			
• If using Warnier Diagrams to diagram the logic:			
Braces are appropriately labeled Brach variable declaration is an its own line			
 Each variable declaration is on its own line The entire formula is shown for calculations 			
Following coding standards:	4	3	(-1) Braces and code not correctly
Code restricted to 80 columns	7	3	aligned.
 Follows naming conventions for classes, variables, 			
methods, and constants			
Appropriate comment block at top of program file			
(may use javadoc conventions)			
Methods appropriately commented (may use javadoc			
conventions)			
 Variables have meaningful names 			
Braces align correctly			
Control statements formatted correctly			

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CITP 190 – Intro to Programming in JAVA Project 4 PROJECT CHECKLIST

Item	Possible Points	Earned Points	Notes
Code:	6	4	(-2) Factorial is calculated in main(),
 Reflects material covered through Chapter 4 			not in a separate method.
 The factorial calculation is done in a static method 			
(not in main)			
 Uses a for loop to calculate the factorial 			
 Good coding style 			
Penalties:	-20	-2	(-2) No proof.
 Incorrect calculations 			
 No proof that the calculations are correct 			
 Some test data not used 			
 Output is not presented as shown (including spelling 			
and spacing)			
 Reflects material outside what has been covered 			
through Chapter 4			
Total	20	13.0	

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