CITP 190 – Intro to Programming in JAVA Project 5 PROJECT CHECKLIST

Student: _		_
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Item	Possible Points	Earned Points	Notes
Program design for Project	5		
 User input is validated as specified 			
 Displays appropriate error messages for invalid data 			
 Loan amount and interest rate are decimal values 			
Years is an integer value			
• There is a separate method to validate each type of			
data (one to validate the decimal data, one to validate			
the integer data, and one to validate the string data)			
The monthly payment is calculated correctly			
The results are formatted correctly			
Design Diagram:	5		
A correct class diagram is provided for all classes (not 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. o 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 			
 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 Each variable declaration is on its own line 			
The entire formula is shown for calculations			

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Item	Possible Points	Earned Points	Notes
Following course standards:	5	Tomes	
• Code standards:			
 Code restricted to 80 columns 			
 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			
• All non-code files contain your name, the course code			
(CITP 190), and the project number at the top of the file.			
All design diagrams are in one file.			
 All design diagrams are in one me. All files are in standard 8 ½ by 11 inch format with at 			
least ½ inch margins on all sides of the page.			
Proof	3		
Includes formulas			
Shows all test data			
Screen captures	2		
Penalties:	-20		
Incorrect calculations			
• Output is not presented as shown (including spelling			
and spacing)			
 Code does not follow the standards 			
 Not all test data was used 			
 Reflects material outside what has been covered 			
through Chapter 5			
Total	20	0.0	