

CS 210 Introduction to Programming
Java Programming Assignment 5 Rubric

Java Program:				
Objects and Decisions				
Rating	Exemplary	Partially Proficient	Basic (needs work)	Not Demonstrated
Rating Category				
Documentation	Top of file comments include: clear and complete class description & tags with student name and version. Comments above each method describe the method and list parameters and return value (if any), per coding standards.	A few minor errors in documentation with incomplete descriptions or missing one or two tags.	Many errors in documentation or did not follow the coding standards for documentation.	No comments in program.
Doc Pts	6	5 - 4	3 - 1	0
Data Storage Points / object class data field definitions	Defined all necessary data fields for the objects, and local constants and variables within the methods. Naming follows coding standards.	Minor errors in: data typing, assignments, or following coding standards for names.	Major errors in: data typing, assignments, or following coding standards for names.	No data stored.
Data Storage Pts	8	7 - 6	5 - 1	0
constructor definition	Second constructor added as specified.	A few minor errors in constructor definition.	Many errors in constructor definition.	Constructor was not defined.
constructor Pts	6	5 - 4	3 - 1	0
instance methods from Assn 4	Instance methods defined within class as specified (fixed any previous errors from Assn 4) and modified as directed. All calculations are correct.	A few minor errors in instance method definitions or calculations still remaining, or not modified.	Many or major errors in instance method definitions or calculations, or not modified.	Instance method not defined. Functionality implemented in main class.
instance method Pts	6	5 - 4	3 - 1	0
setters if or if/else usage (loan type and loan identifier)	Correctly defined setters and implemented required if and/or if/else statement(s). All calculations and values assigned are correct for given input.	One or two minor errors in setters or implementation of if or if/else statement(s).	Many minor or one major error in setters or implementation of if or if/else statement(s)	Did not implement any if or if/else statements within setters.
if and if/else Pts	12	11 - 8	7 - 1	0
multiple alternative if usage (insurance premium)	Correctly implemented required multiple alternative if statement(s) and rate used is correct for given input.	One or two minor errors in implementation of multiple alternative if statement(s).	Many minor or one major error in implementation of multiple alternative if statement(s).	Did not implement any multiple alternative if statements.
multiple alt if Pts	10	9 - 7	6 - 1	0
setter nested if usage (annual interest)	Correctly defined setter and implemented required nested if statement(s), and rate used is correct for given input.	One or two minor errors in setter or implementation of nested if statement(s).	Many minor or one major error in setter or implementation of nested if statement(s).	Did not implement any nested if statements within setter.
nested if Pts	10	9 - 7	6 - 1	0
setter switch usage (down payment)	Correctly defined setter and implemented required switch statement(s), and percent used is correct for given input.	One or two minor errors in setter or implementation of switch statement(s).	Many minor or one major error in setter or implementation of switch statement(s).	Did not implement any switch statement(s) within setter.
switch Pts	10	9 - 7	6 - 1	0
display loan info instance method w/ if/else	Displays specified output, formatted as required. Correctly implemented if/else statement(s) to display correct loan type.	Minor errors in method.	Many or major errors in method, or method was not defined and actions performed from main class.	Program did not produce any of the specified output.
calc/display Points	10	9 - 7	6 - 1	0
calculate and display payment info instance method	Calls instance methods, calculates and displays specified output. All calculations are correct for given input.	Minor errors in method.	Many or major errors in method, or method was not defined and actions performed from main class.	Program did not produce any of the specified output.
calc/display Points	8	7 - 6	5 - 1	0
main method	main method implemented as specified, including reading input, creating objects, and calling class and instance methods.	A few minor errors in main method	Many errors in main method	main method does not run at all.
main method Pts	8	7 - 6	5 - 1	0
Java Constructs / Readability / Miscellaneous	Code follows all CS210 coding standards. Demonstrates understanding of program structure. Code is organized and easy to follow, with no issues, and there is no unnecessary code.	Code is fairly easy to read, but there are some spacing, indentation, and/or other minor issues, or extraneous code. Or did not follow some of the CS210 coding standards.	Code is difficult to read OR has other major issues. Or did not follow most of the CS210 coding standards.	The code is unreadable.
Construct/Misc Pts	6	5 - 4	3 - 1	0
Java Program SubTotal (any late points deducted will be based upon this subtotal)				
Deductions				
Compilation	Code compiles correctly.	One or two minor errors prevents the code from compiling.	Multiple minor errors prevent the code from compiling.	One or more major errors or a multitude of minor errors prevent the code from compiling.
Compilation Pts	0	- 1 to 2 pts	- 3 to 5 pts	- 100% (unacceptable)
Delivery	Submitted on time	Submitted 1-2 days late (2% deducted per day late)	Submitted 3-5 days late (2% deducted per day late)	Not submitted within 5 days of due date
Late Deductions	0	-2% to -4%	-6% to -10%	-100% (no credit)
Points Grand Total	100			