

CS 210 Introduction to Programming
Java Programming Assignment 7 Rubric
Objects, Files, and Exceptions

Java Program:				
Rating Rating Category	Exemplary	Partially Proficient	Basic (needs work)	Not Demonstrated
Documentation	Top of file comments and comments above each method are complete, per coding standards.	A few minor errors in documentation.	Many errors in documentation or did not follow the coding standards for documentation.	No comments in program.
Doc Pts	10	9 - 7	6 - 2	1 - 0
Data Storage Points	All required constants and necessary variables defined. Correct object reference definition and object instantiation. Follows coding standards.	A couple of minor errors in data typing, constant/variable declarations, object instantiation, or following coding standards.	Many errors in data typing, constant/variable declarations, object instantiation, or following coding standards.	No data stored.
Data Storage Pts	5	4 - 3	2 - 1	0
Constructor (with exception handling)	Correctly checks all parameters. Throws IllegalArgumentException if any parameter is invalid and generates correct messages. Otherwise, initializes object fields.	A couple of minor errors.	Many or major errors.	Constructor did not run at all.
Constructor Pts	15	14 - 11	10 - 1	0
instance method to make payment	Corrected any errors from assn 6 and modified instance method as specified. Calculates correct values for all inputs.	A couple of minor errors.	Many or major errors.	Instance method not modified or not defined at all.
method Pts	5	4 - 3	2 - 1	0
instance method to calc interest	Corrected any errors from assn 6 and modified instance method as specified. Calculates correct values for all inputs.	A couple of minor errors.	Many or major errors.	Instance method not modified or not defined at all.
method Pts	10	9 - 7	6 - 2	1 - 0
user input static method	Correctly defined and called user input method. Provided descriptive prompt, and correctly read and validated user input, as specified.	Minor error in reading or validating user inputs.	Many or major errors in reading or validating user inputs.	Static method not defined. Task implemented from another method, or not implemented at all.
User input Pts	10	9 - 7	6 - 2	1 - 0
Input file and exception handling	Input file opened correctly. Catches FileNotFoundException errors and displays correct message. File closed immediately after use.	Missing test that file opened before trying to use it, OR file not closed after use, OR program crashes when file does not exist.	Multiple problems with opening and/or closing input file..	Fails to open the input file.
Input & exception Pts	10	9 - 7	6 - 1	0
Program Input (Reading and Processing)	All data correctly read and used in calculations correctly. Catches any IllegalArgumentException and displays message passed back.	Fails to recognize end of data file OR other minor issues in reading and using data or catching exception.	Major issues in reading and using data or catching exception.	Fails to read any file input.
File Reading Points	10	9 - 7	6 - 1	0
rest of main method	main method correctly loops to read file and displays results, and repeats program.	A couple of minor errors in main method	Many or major errors in main method	main method does not run at all.
main method Pts	10	9 - 7	6 - 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	5	4 - 3	2 - 1	0
Testing	Test data files allow for complete validation of the program code.	Missing a couple of necessary tests.	Missing many necessary tests.	No test data files submitted.
Testing Pts	10	9 - 7	6 - 1	0
Java Program Subtotal (any late points deducted will be based upon this subtotal)				
Deductions				
Compilation	Code compiles correctly.			Code does not compile without errors.
Compilation Pts	0			- 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			