

Name: _____

End-Year Final Project Rubric – Java Course		Max	Points
Required elements		[24]	
	If, else if, else	3	
	Loop (for, while, do while, or 'for-each')	3	
	Parameters	3	
	Methods, Return types (not just void)	3	
	Fields (instance variables)	3	
	Constructors that do something	3	
	Objects	3	
	new	3	
More elements: Choose at least 5 of the following. Ask for possible extra credit for doing more.		[10]	
	Subclasses	2	
	array, List or ArrayList	2	
	Input from user	2	
	Input from file	2	
	Output to file	2	
	Inheritance (subclasses)	2	
	this	2	
	Explaining how other's code works	2	
	Graphics	2	
	Applet	2	
	GUI	2	
	Using Math library methods	2	
	Sound	2	
	Collections	2	
	Casting	2	
Difficulty and Complexity		[10]	
	Does it have complexity including many objects and methods? What level of design work is needed?	10	
Overall ratings: Best 5 out of 8 (i.e. 3 will be dropped)		[26]	
	Meeting the Goal The program works.	5	
	Code Quality The class and method structure is organized and logical. Variable names make sense.	5	
	Comments and Java Doc Comments The programmer used appropriate comments and Java Doc comments in the code.	5	
	Development Process Key qualities: Planning (including explaining to teacher), effort, independence, tireless bug finding, challenging yourself at your level.	5	
	Individuality Did you copy code, modify it, and/or write it from scratch?	5	
	Timeliness Steady progress toward the goal	5	
	Positive Attitude	5	
	Helpfulness to other students	5	
	Reading this rubric all the way to here	1	
Extra Credit (EC). Full credit <i>only</i> if the other parts of the code run well. Check with the teacher if other ideas qualify.			
	Effort and progress outside class. (In-class effort and focus are graded separately, 5 points per class.)	<=10	
Total		[70]	