EVALUATION GUIDE FOR ANNUITIES PROGRAM

Victim: _____

Categories	Criteria	Descriptors					Level	Average
		Level 4	Level 3	Level 2	Level 1	Level 0		
Knowledge and Understanding (KU)	**Understanding of Programming Concepts**	Extensive	Good	Moderate	Minimal	Insufficient		
	Understanding of the Problem	Extensive	Good	Moderate	Minimal	Insufficient		
Application (APP)	**Correctness** To what degree is the output correct?	Very High	High	Moderate	Minimal	Insufficient		
	Run-time Error Handling How stable is the software?	Highly Stable	Stable	Moderately Stable	Somewhat Unstable	Very Unstable		
	Declaration of Variables To what degree are the variables declared with appropriate data types?	Very High	High	Moderate	Minimal	Insufficient		
	Unnecessary Duplication of Code To what degree has the student avoided unnecessary duplication of code?	Very High	High	Moderate	Minimal	Insufficient		
	Debugging To what degree has the student employed a logical, thorough and organized debugging method?	Very High	High	Moderate	Minimal	Insufficient		
Thinking, Inquiry and Problem Solving (TIPS)	**Algorithm Design and Selection** To what degree has the student used approaches such as solving a specific example of the problem to gain insight into the problem that needs to be solved?	Very High	High	Moderate	Minimal	Insufficient		
	Ability to Design and Select Algorithms Independently To what degree has the student been able to design and select algorithms without assistance?	Very High	High	Moderate	Minimal	Insufficient		
	Ability to Implement Algorithms Independently To what degree is the student able to implement chosen algorithms without assistance?	Very High	High	Moderate	Minimal	Insufficient		
	Efficiency of Algorithms and Implementation To what degree does the algorithm use resources (memory, processor time, etc) efficiently?	Very High	High	Moderate	Minimal	Insufficient		
Communication (COM)	**Indentation of Code** **Insertion of Blank Lines in Strategic Places** (to make code easier to read)	Very Few or no Errors	A Few Minor Errors	Moderate Number of Errors	Large Number of Errors	Very Large Number of Errors		
	Comments • Effectiveness of explaining abstruse (difficult-to-understand) code • Effectiveness of introducing major blocks of code • Avoidance of comments for self-explanatory code	Very High	High	Moderate	Minimal	Insufficient		
	Descriptiveness of Identifier Names Variables, Constants, Objects, Functions, Subs, etc **Inclusion of Property Names with Object Names** (**e.g.** 'txtName.Text' instead of 'txtName' alone) **Clarity of Code** How easy is it to understand, modify and debug the code? **Adherence to Naming Conventions** (**e.g.** use "txt" for text boxes, "lbl" for labels, etc.)	Masterful	Good	Adequate	Passable	Insufficient		
	User Interface To what degree is the user interface well designed, logical, attractive and user-friendly?	Very High	High	Moderate	Minimal	Insufficient		