

Template

**AP Computer Science
Project Proposal**

Project Proposal Lewbric

Criteria	Possible Points	Your Points	Comments
Description			
A narrative is included that gives a description of the project	25	25	
The description states what type of graphics will be implemented (GridWorld, Swing, or other)	25	25	
UML Diagram			
Includes a correct implementation of an Inheritance Hierarchy (i.e includes "is-a" relationship) with student-designed classes	25	25	
The Inheritance Hierarchy includes "three levels", that is, with student-designed superclass, subclass, and subclass of the subclass	25	25	
Each class in UML Diagram lists private instance variables	25	25	
Each class in UML Diagram lists public methods	25	25	
Includes at least one subclass with justifiable reasoning (one or more of the following) - one or more new private data member - one or more new public method - one or more overridden methods	25	25	
Includes a correct implementation of student-designed "Class Composition" (i.e., includes a "has-a" relationship)	25	25	
Includes a correct implementation of a student-designed "Interface" (i.e., includes a "does-a" relationship)	25	25	
At least one student designed superclass or subclass implements the interface	25	25	
Screenshot			
A screenshot or screenshots is/are included that provides a general "view" of the program	25	25	
Totals	275	275	100.00%