

\_\_\_\_\_ **Initial Idea** (submitted on time) (5)

\_\_\_\_\_ **Proposal** (already graded) (10)

\_\_\_\_\_ **Applicability to Class** (10)

*Uses techniques like formal syntax, type systems, formal judgments, operational semantics, etc.*

\_\_\_\_\_ **Scope** (15)

*Must do at least one larger proof; if your proposal was approved, the proposed scope was OK*

\_\_\_\_\_ **Technical Soundness** (35)

\_\_\_\_\_ Appropriate Model

*Model (syntax, definitions, representations) reasonable for what is being modeled.  
Assumptions/limitations are described appropriately.*

\_\_\_\_\_ Judgments

*All necessary judgments are defined, all necessary rules present.*

\_\_\_\_\_ Proofs

*Theorems/lemmas are relevant to the model  
Proofs are correct and appropriately detailed*

\_\_\_\_\_ **Writing of Final Paper** (10)

\_\_\_\_\_ Detail

*All necessary definitions, rules, etc., necessary to understand the project are present*

\_\_\_\_\_ Clarity

*Any non-standard definitions, judgments, formulas, etc., are described in plain English  
Examples are given to help the reader understand how to use the definitions, rules, etc.*

\_\_\_\_\_ **Class Presentation** (15)

\_\_\_\_\_ Overview/motivation

*Goals of the project and what is being modeled are clearly and succinctly described*

\_\_\_\_\_ Technical contribution

*Definitions and results are described at a high level so other students can get an idea in a few minutes of what you are doing and why*

\_\_\_\_\_ Questions/discussion

*Handle questions, if any, and/or start a discussion about what is left to be done and how the project might be continued/extended*