Design Project Design Evaluation Rubric   Section and Team: *your-team-info*

This is the rubric that will be used for evaluating your Design Project design and design documentation.

Dimension	Exceptional Performance 4	Competent Performance 3	Acceptable Performance 2	Developing Performance 1	Beginning Performance 0
Initial Domain Model (5%)	Domain model correctly captures all domain entities with all elements of relationships shown.	Captures all domain entities and relationships. Model is entirely in the language of the domain but there may be issues with the relationships.	Entities mostly complete, some language may be outside the domain, relationships with notations mostly correct.	Many domain entities missed, language not in the domain, little notation on relationships. Minimal effort put into creating model.	Domain model was not submitted or shows little domain understanding.
Functional Requirements (25%)	All functional requirements are clearly covered by the design.	The design appears to cover all functional requirements missing only some traceability.	The design covers most functional requirements with linkage between requirements and design.	The design misses many functional requirements or little tracing from requirements to design.	The design does not appear to have much connection to the functional requirements.
Design Patterns (25%)	The design has full, and appropriate pattern usage and gives clear indications of their role in meeting system requirements.	The design appropriately applies patterns and provides rationale for their use.	The design misses a few pattern applications, or does not provide adequate rationale for the use of several patterns.	The design misses many pattern applications or provides little rationale for the use of patterns.	No patterns used, or patterns used mostly incorrectly and inappropriately.
Design Principles (15%)	Design clearly adheres to OO principles of abstraction low coupling, high cohesion, and modular design.	The design adheres to most OO design principles and provides good evidence of how it does.	The design has good adherence to OO principles and provides some evidence of how this is done.	The design appears to adhere to OO principles but provides little evidence or rationale for how it does.	The design does not adhere to any OO design principles.
UML Models and Diagrams (15%)	Class models correctly show entities/classes, relationships, and multiplicities. Clearly described sequence diagrams for major features traced through all participants. Diagrams are easy to follow.	Class models show entities/classes, relationships, and multiplicities. Sequence diagrams and descriptions for most major features. A few issues with following the diagrams.	Class models have incorrect/missing relationships, or missing multiplicities. Sequence diagrams show participants and most exchanges. Several issues with the layout of the diagrams.	Class models missing entities/classes. Sequence diagrams provide little insight into the feature operation. Diagrams are cluttered and difficult to follow.	No UML models or diagrams that only sketch the design. Diagrams are incomprehensible.

Dimension	Exceptional Performance 4	Competent Performance 3	Acceptable Performance 2	Developing Performance 1	Beginning Performance 0
Design Document [Organization] (5%)	Document organized as coherent sections and subsections in a logical sequence and hierarchy with clear transitions and diagrams that follow structure.	Document organized as coherent sections and subsections that follow logically in sequence and hierarchy. Diagrams mostly follow structure.	Minor violations of section coherence or logical section sequencing. Some sectioning of class diagrams.	Significant violations of section coherence and/or logical section sequencing. No attempt to breakup class diagram.	Document is completely incoherent, no evidence of any attempt at ordering.
Design Document [Style] (5%)	Crisp writing in the active voice, clear transitions between topics, no excess verbiage	Few passive constructs, coherent sentence and paragraph structure, no run-on sentences	Several instances of poor sentence structure, run-on sentences, passive constructs, incoherent paragraphs.	Poor sentence structure, incoherent paragraphs and excessive passive voice, run on sentences.	Writing is practically incomprehensible
Design Document [Mechanics] (5%)	No spelling or grammar errors, excellent formatting, highly readable	Spelling and grammar errors rare, reasonable formatting	Spelling, grammar, and formatting errors appear on many pages and interfere somewhat with readability	Few pages without mechanics errors making reading a chore. Readability a significant problem.	Mechanics errors make it a struggle to decipher meaning.