

Entity-Relationship Diagram Grading Rubric

CSSE 333—Intro. to Database Systems

Criteria (weight)	5 Exemplary	3 Satisfactory	1 Needs Improvement	Score (Weighted)
Notation (x2)	Diagram uses an appropriate E-R notation. The notation is used correctly for all elements of the diagram.	Diagram uses an appropriate E-R notation. The notation is used correctly for most elements of the diagram.	Diagram does not use an appropriate E-R notation or uses a notation incorrectly for most or all elements.	
Complexity (x1)	The required number of tables and foreign key relationships will be needed to implement the database.	As drawn, the required number of tables and foreign key relationship may not be needed, but the required complexity can be achieved with minor changes.	The required number of tables and foreign key relationship will not be needed. It is unclear how the project could satisfy the required complexity.	
Professionalism (x1)	Diagram presents a professional appearance. It could be shared with a “real-world” customer without changes.	Diagram largely presents a professional tone. It could be shared with a “real-world” customer with minor revisions.	Diagram is unprofessional. Major revisions would be necessary before sharing the document with a “real-world” customer.	
Entity Sets (x2)	Diagram captures all entity sets necessary for a database that would satisfy the initial problem statement.	Diagram captures most entity sets necessary for a database that would satisfy the initial problem statement.	Diagram captures few or none of the entity sets necessary for a database that would satisfy the initial problem statement.	
Attributes and Keys (x1)	Diagram captures all attributes and primary keys necessary for a database that would satisfy the initial problem statement.	Diagram captures most attributes and primary keys necessary for a database that would satisfy the initial problem statement.	Diagram captures none or few of the attributes and primary keys necessary for a database that would satisfy the initial problem statement.	
Relationships (x2)	Diagram captures all relationships necessary for a database that would satisfy the initial problem statement.	Diagram captures most relationships necessary for a database that would satisfy the initial problem statement.	Diagram captures none or few of the relationships necessary for a database that would satisfy the initial problem statement.	

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Constraints (x1)	Diagram captures all cardinality and participation constraints necessary for a database that would satisfy the initial problem statement. (Recognizing that if all relationships are legitimately many-many with partial participation, then no constraint annotations are necessary.)	Diagram captures most of the cardinality and participation constraints necessary for a database that would satisfy the initial problem statement.	Diagram captures none or few of the cardinality and participation constraints necessary for a database that would satisfy the initial problem statement.	