

Relation Schemas Diagram Grading Rubric

CSSE 333—Intro. to Database Systems

Criteria (weight)	5 Exemplary	3 Satisfactory	1 Needs Improvement	Score (Weighted)
Notation (x3)	Document uses an appropriate notation, either that from the text or that produced by the Database Diagram wizard in SQL Server. The notation is used correctly for all elements of the diagram.	Document uses an appropriate notation, either that from the text or that produced by the Database Diagram wizard in SQL Server. The notation is used correctly for most elements of the diagram.	Document does not use an appropriate notation or the notation is used incorrectly for most elements of the diagram.	
Professionalism (x2)	Document presents a professional appearance. It could be shared with a “real-world” customer without changes.	Document largely presents a professional tone. It could be shared with a “real-world” customer with minor revisions.	Document is unprofessional. Major revisions would be necessary before sharing the document with a “real-world” customer.	
Relations (x4)	Relation schemas capture all entity sets and relationships from the team’s E-R diagram and account for suggested revision to that diagram. A convincing explanation is included for any suggested revisions not accepted or for deviations from the original design	Relation schemas capture most entity sets and relationships from the team’s E-R diagram and account for most suggested revisions to that diagram.	Relation schemas capture few, if any, entity sets and relationships from the team’s E-R diagram. Document does not account for suggested revisions to that diagram.	
Attributes (x4)	Relation schemas include all attributes from the team’s E-R diagram and all additional attributes necessary to represent any relationships from that diagram.	Relation schemas include all attributes from the team’s E-R diagram and most additional attributes necessary to represent any relationships from that diagram.	Relation schemas include few, if any, attributes from the team’s E-R diagram. No attributes necessary to represent relationships are included.	
Primary Keys (x3)	Diagram indicates a primary key for every relation. All primary keys are clearly unique, or explanations are offered for their uniqueness.	Diagram indicates a primary key for nearly all relations. Most primary keys are clearly unique.	Diagram fails to indicate primary keys.	

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Foreign Keys (x2)	Diagram indicates all foreign keys and shows the tables that they reference.	Diagram indicates most foreign keys and shows the tables that they reference.	Diagram does not indicate foreign keys.	
Redundancy (x2)	Relation schemas include no redundant data without offering an explanation of the design requirements (e.g., performance) that indicate why redundancy is desirable.	Relation schemas include some redundant data. In most cases an explanation is given for why the redundancy is desirable.	Relation schemas include significant duplication of data. No explanation is given for why the redundancy is desirable.	