Rio Salado College

Key Terms and Concepts – Lesson 10

CIS276DA – MySQL Database

General MySQL terms are found on eHow.com, wiki.com, or mysql.com or in the textbook chapter, appendices, and index.

Term	Definition
Cardinality	How each database table links to or is related to another table
Crow's Foot Notation	Crow's foot diagrams represent entities as boxes and relationships as lines between the boxes. Different shapes at the ends of these lines represent the cardinality of the relationship.
Database Model	Type of data model that determines the logical structure of a database and fundamentally determines in which manner data can be stored, organized, and manipulated
EER	Type of enhanced ERD diagram that includes the concepts of super-classes, subclasses, specialization, and generalization
ERD	Short for entity relationship diagram, which is a data model that graphically represents data, attributes, and relationships in an information system
Identifying Relationship	A database relationship in which the child table cannot be uniquely identified without its parent. Typically, this occurs where an intermediary table is created to resolve a many-to-many relationship. A MySQL Workbench model uses a solid line to indicate this type of relationship.
Many-to-Many relationship	Between database records, this cardinality relationship means many members related to many members.
Non-Identifying Relationship	Allows the child table to be independent of its parent. A MySQL Workbench model uses a broken line to indicate this type of relationship.
One-to-Many Relationship	Between database records, this cardinality relationship means one member related to many members
One-to-One Relationship	Between database records, this cardinality relationship means one member related to one member.
Relational Database Model	Most popular model which uses a table-based format
Reverse Engineering	Process of discovering the database design through a representation of its structure, usually accomplished by creating an ERD from the database definition