Appendix C

Diagramming Conventions and Symbols

Chapters 5, 6, and 7 have covered data modeling in sufficient detail. In these chapters, you were introduced to notations and symbols in use for representing business objects, attributes, relationships, and special cases of these components.

This appendix provides a summary of diagramming notations and symbols used in the entity-relationship data modeling technique. Wherever applicable, alternative notations are also shown to represent specific data model components.

Entity Type: Strong



Entity Type: Weak



Relationship: Strong



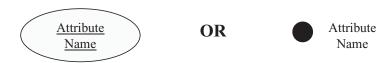
Relationship: Weak



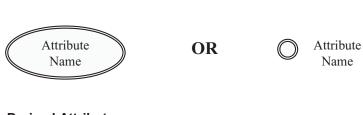
Attribute



Primary Key



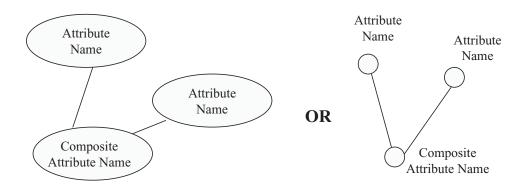
Multi-valued Attribute



Derived Attribute

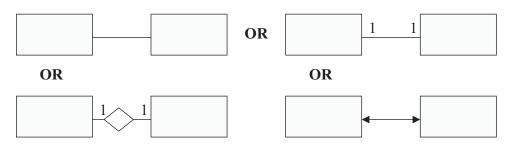


Composite Attribute

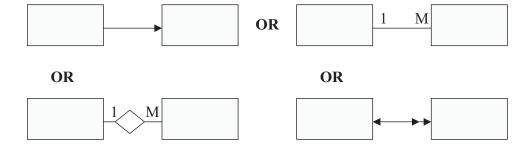


Cardinality Indicators (Maximum cardinalities)

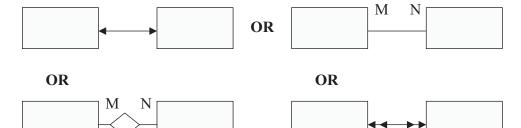
ONE-TO-ONE



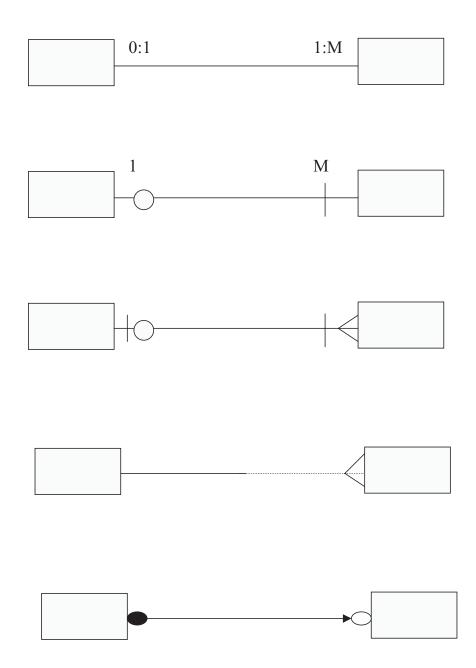
ONE-TO-MANY



MANY-TO-MANY



Cardinality Indicators (Maximum and minimum cardinalities)



Generalization/Specialization

