



Figure 2.22 E-R diagram for a banking enterprise.

2.9 Reduction of an E-R Schema to Tables

We can represent a database that conforms to an E-R database schema by a collection of tables. For each entity set and for each relationship set in the database, there is a unique table to which we assign the name of the corresponding entity set or relationship set. Each table has multiple columns, each of which has a unique name.

Both the E-R model and the relational-database model are abstract, logical representations of real-world enterprises. Because the two models employ similar design principles, we can convert an E-R design into a relational design. Converting a database representation from an E-R diagram to a table format is the way we arrive at a relational-database design from an E-R diagram. Although important differences