

Figure 1-1 Levels of generalization

ORDER

Figure 1-2 An entity

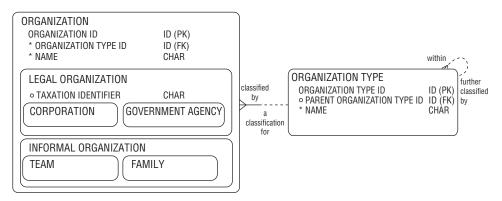


Figure 1-3 Subtypes and supertypes

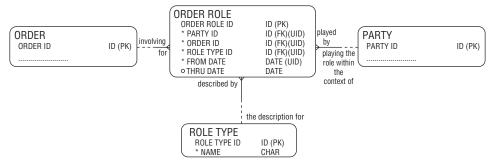


Figure 1-4 Attributes, relationships, and keys

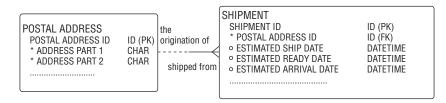


Figure 1-5 Mandatory versus optional relationships

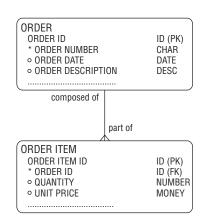


Figure 1-6 One-to-many relationship

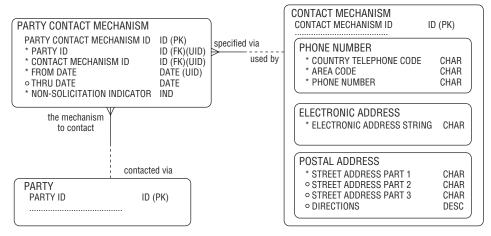


Figure 1-7 Many-to-many relationships resolved by an associative entity

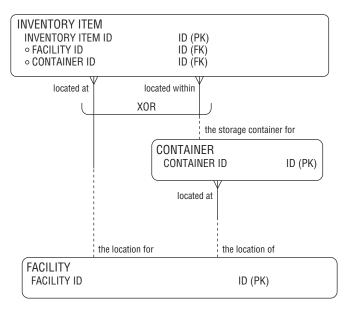


Figure 1-8 Exclusive Arcs

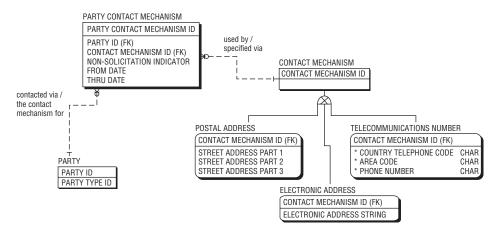


Figure 1-9 Contact Mechanism Pattern in ERwin from Computer Associates

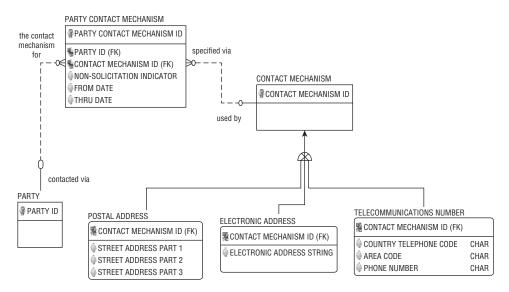


Figure 1-10 Contact Mechanism Pattern in ER/Studio from Embarcadero

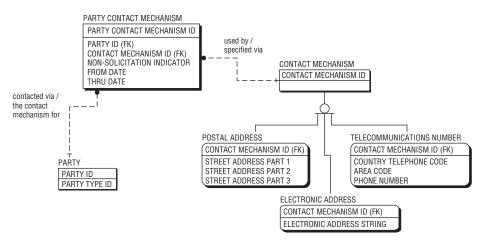


Figure 1-11 Contact Mechanism Pattern shown using IDEF1X notation

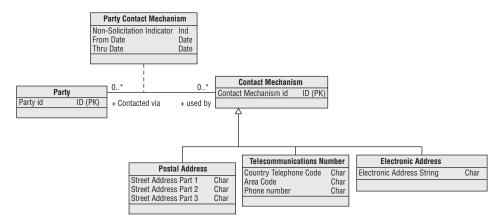


Figure 1-12 Contact Mechanism Pattern shown using UML