Our textbook highlights three entity-relationship diagram models or ERDs. These ERDs are the Chen, Crow’s Foot, and Unified Modeling Language (UML) notations (Colonel & Morris, 2019, Ch 4, p. 113). Each of the three models has its strengths and weaknesses. The Chen diagram is useful for conceptual visualization but can often take up a lot of space. Furthermore, some people may get confused by the symbols used to represent the various objects. Crow’s Foot notation is useful for an implementation-oriented approach but becomes harder to trace as they become larger visually. UML notation can be used for both conceptual and implementation-oriented models but often contains far more than is required because of it’s dual-purpose modeling scheme. UML is also considered to be an ISO standard.

**References**

Coronel, C., & Morris, S. (2019). [*Database systems: Design, implementation, and management*](https://ashford.instructure.com/courses/74798/modules/items/3783232) (13th ed.). Retrieved from https://www.vitalsource.com