

**IS 335: Information Technology in Business**  
**Reading Preparation Assignment**  
**Chapter 14**  
**Enterprise Architecture Textbook**

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Read Chapter 14, "Information Design" of *Design of Enterprise Systems: Theory Architecture, and Methods*, pp. 323 - 343

Read the below questions and be prepared for class discussion based on those questions.

1. What are the seven types of entities?
2. Describe the correspondence between the entity-relationship model and its implementation in a database management system.
3. What are the four SQL commands required to implement CRUD?
4. Why do we normalize a database?
5. Describe the three types of data anomalies that can occur.
6. Describe the first three normal forms.
7. What should be put in the data dictionary?