

Module 8 Developing Business Data Models

Lesson 3: Design Transformations I

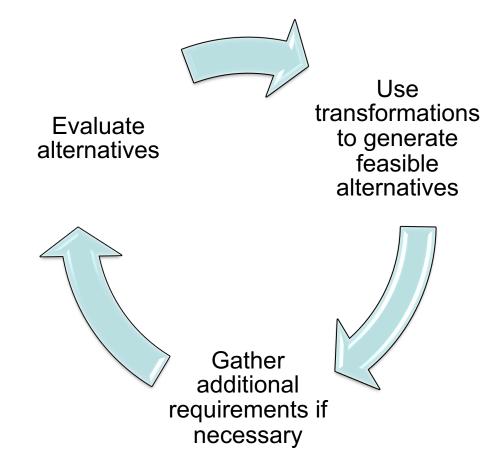


Lesson Objectives

- Understand the importance of generating and evaluating alternative designs
- Explain a situation for using each transformation
- Apply each transformation



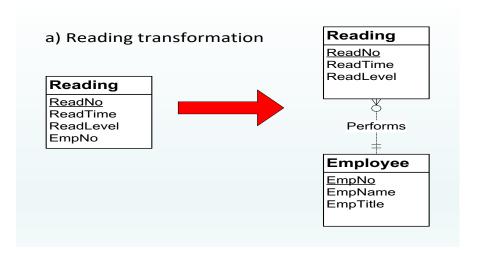
Diagram Refinements

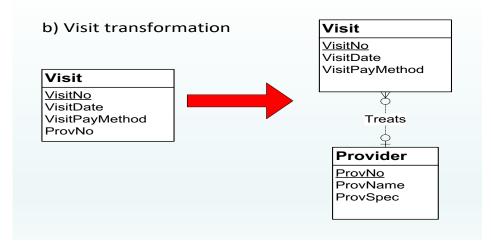






Attribute Expansion

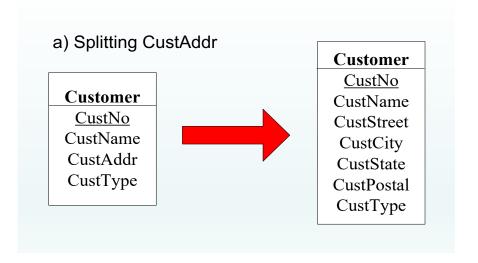


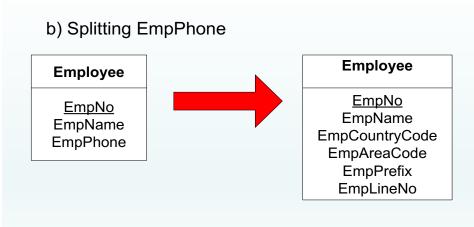






Compound Attribute Split

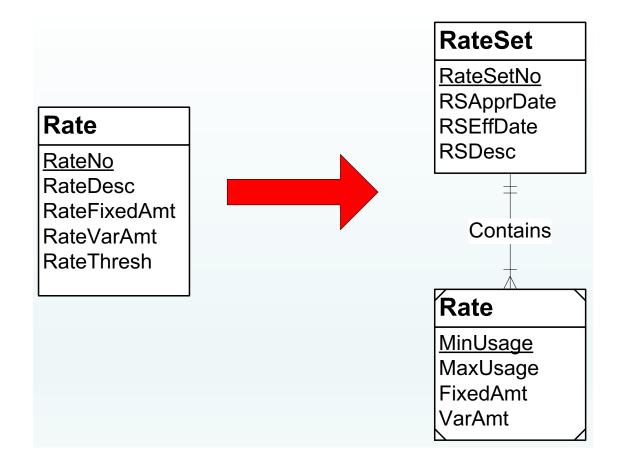








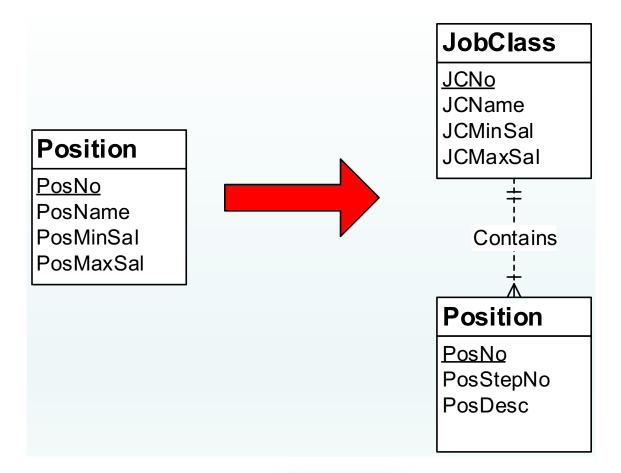
Entity Type Expansion I







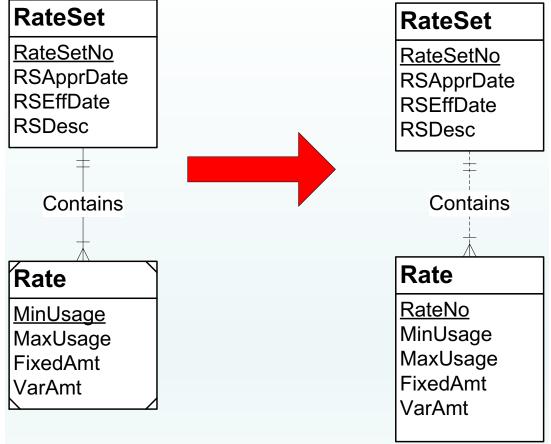
Entity Type Expansion II







Weak to Strong Entity Type I

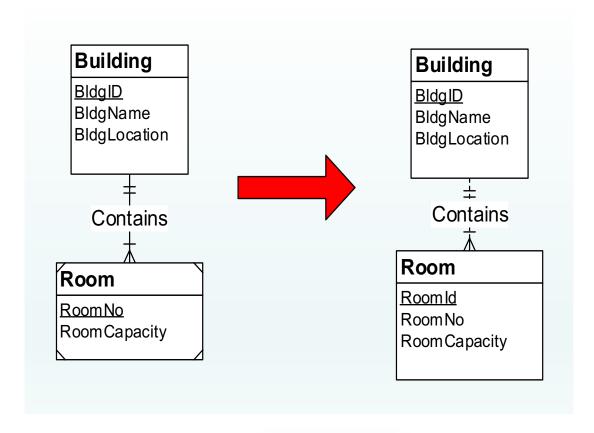






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Weak to Strong Entity Type II







Summary

- Attribute expansion
- Compound attribute split
- Entity type expansion
- Weak entity type to strong entity type



