Database Management Essentials

ERD Rules and Problem Solving

Summarized by
github.com/dgkim5360
dgkim5360.tistory.com
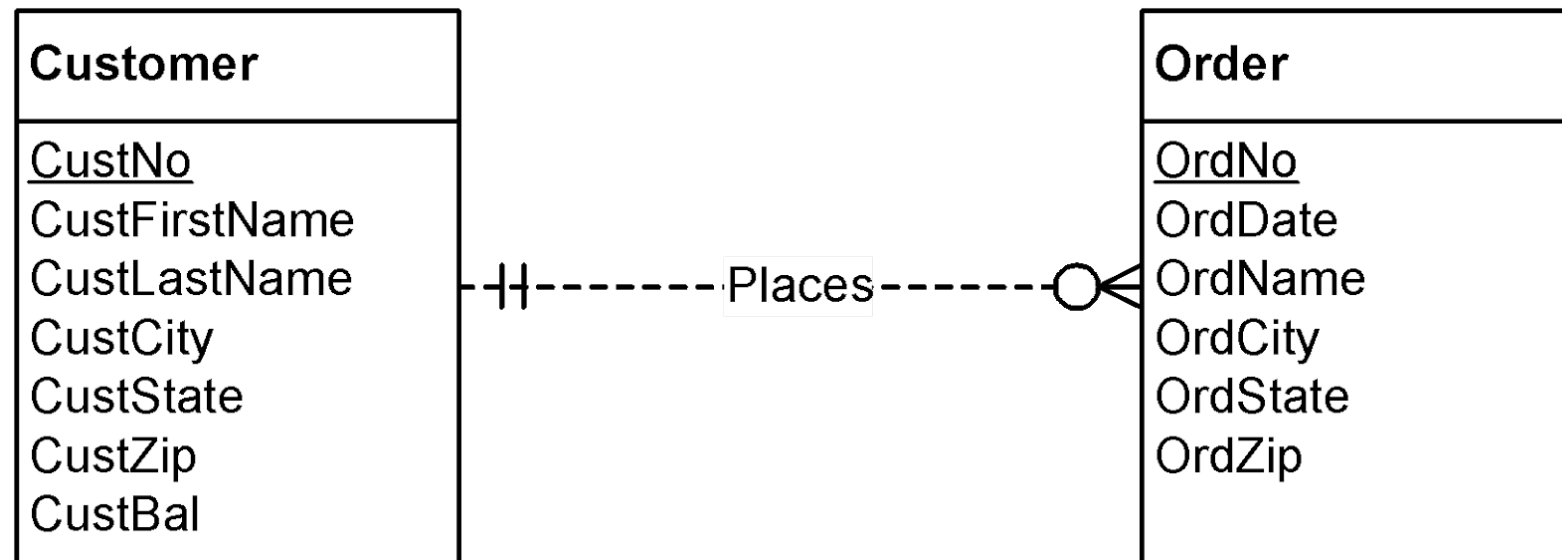
Basic Diagram Rules

- Diagram Rules for DB = Syntax Error for Languages

- Completeness Rules: 모두 잘 정의되어야 한다.

  - Primary Key Rule

  - Naming Rule

  - Cardinality Rule

  - Entity Participate Rule (optional)
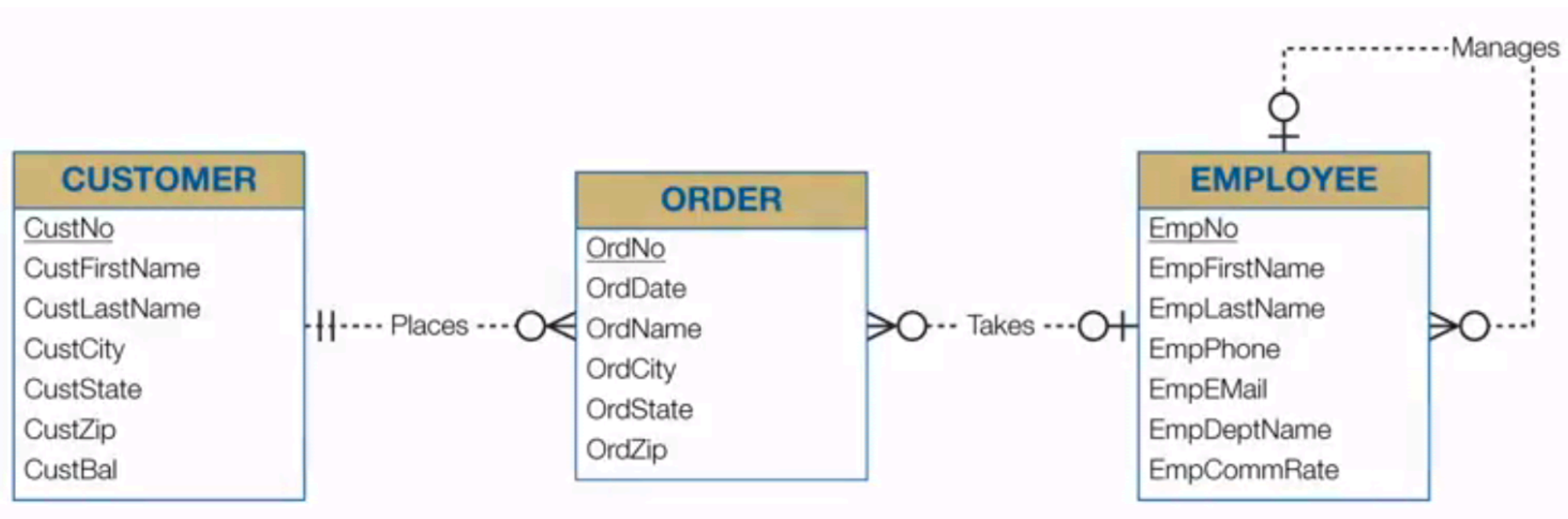
Extended Diagram Rules

- Connection Consistency Rules: 모두 잘 연결돼있어야 한다.

  - Relationship/Entity Connection Rule

  - Relationship/Relationship Connection Rule

  - Redundant Foreign Key Rule

- Identification Dependency Rules

  - Weak Entity Type Rule

  - Identifying Relationship Rule

  - Identification Dependency Cardinality Rule

Exercise 1

Customer와 Order를 위한 DB Design을 해보시오.

Order를 처리하는 Employee를 추가해보시오.

Exercise 2

이어서 Product를 추가해보시오.

그리고 M-N을 2개의 1-M으로 바꿔보시오.