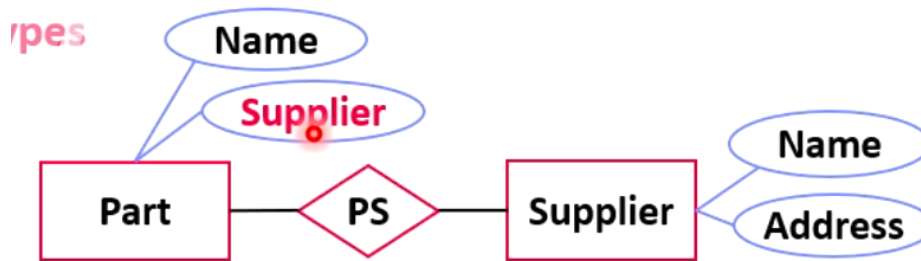


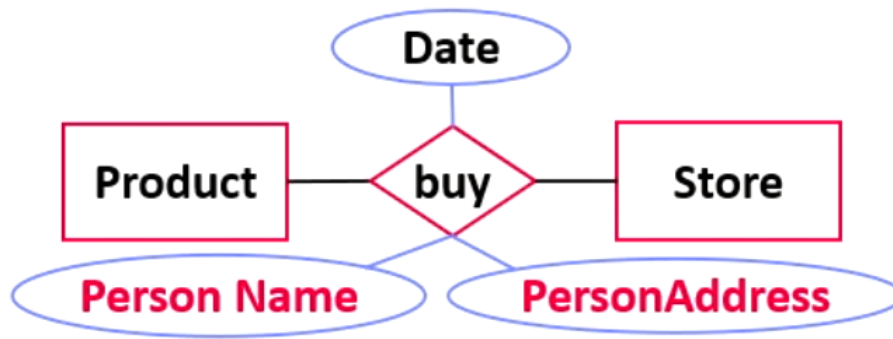
- most important:
 - avoid redundancy
 - avoid complexity
 - keep it simple
- **Meta-Level:**
 - Which notations to use (Chen, Modified Chen, (min,max)-notation)?
- **Entities**
 - What are the entity types (entity vs relationship vs attribute)?
 - What are the attributes of each entity type?
 - What are key attributes (one or many)?
 - What are weak entities (with partial keys)?
- **Relationships**
 - What are the relationship types between entities (binary, n-ary)?
 - What are the attributes of each relationship type?
 - What are the cardinalities?
- **Attributes**
 - What are composite, multi-valued, or derived attributes?

Poor Design Choices

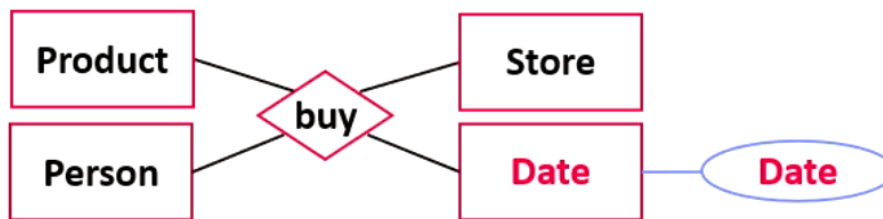
- overuse of [[Weak Entity]]
- redundant attributes



- repeated information
 - might mean entity is missing
 - * e.g. person entity is missing



- *
 - unnecessary complexity
 - avoid single attribute entities



[[Database Design]] [[ER Diagram]]