

## Common Errors in Creating Conceptual ERDs

1. Forgetting to include all of the entity types needed to accomplish the scope identified for the system.
2. Placing attributes on the wrong entity type.
3. Placing the same attribute on more than one entity type (except for foreign keys).
4. Forgetting to mark the attributes that comprise the identifier (PK) for each entity type.
5. Forgetting to include all relationships needed to accomplish the scope.
6. Forgetting to name each relationship (except for those on associative entities).
7. Forgetting to indicate the cardinality of each relationship (at both ends).
8. Confusing which cardinality is expressed at which end of the relationship line.
9. Missing data that is needed to implement a relationship (like quantity of items).
10. Forgetting to create associative entities to hold data elements needed to implement a relationship (like OrderLine).
11. Creating entity types to store the results of reports or queries. These results are typically not stored. The report or query is simply executed whenever needed.