**PROBLEM-4 SOLUTION:**



Redundant Foreign Key rule violation and attribute names are not unique

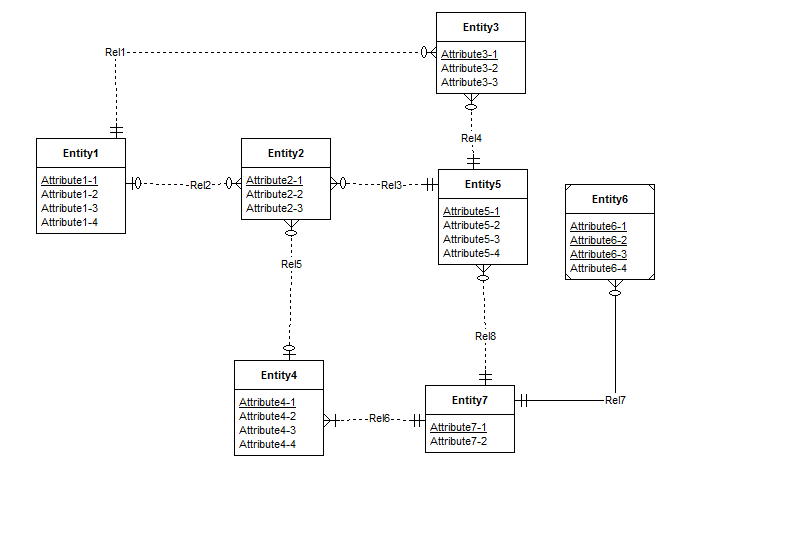
Unique Name rule violation

Identification relationship rule violation

Identification Dependency Cardinality rule violation

* Resolution of the identifying relationship rule: The problem can be resolved by adding one or more weak entities or making the relationship (Rel6: Entity4->Entity7) non-identifying.
* Resolution of the identification dependency cardinality rule: The problem can be resolved by changing the cardinality in Rel7 to (1,M) from Entity7 to Entity6.
* Resolution of the redundant FK rule: Normally the problem can be resolved by removing the redundant foreign keys (Entity2:Attribute1-1 and Attribute 4-1).
* Resolution of the Unique Attribute Name Rule: The problem can be resolved by changing the one of the attribute names from Attribute 2-1 to Attribute 2-2 in Entity2.
* Resolution of Unique Name Rule: The problem can be resolved by changing the relationship name Rel6 to Rel8.

**Diagram after resolving errors:**

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