

Figure 1: ERD for Problem 4

Rectification:

* Same Attribute i.e. Attribute2-1 listed twice in Entity2.
* Redundant foreign key in Entity2 i.e. Attribute1-1 and Attribute4-1.
* Rel6 violates Identifying Relationship Rule, It has to be dotted.
* Id Dependency Cardinality Rule, it has to be changed maximum cardinality from Entity6 to Entity7 to 1.