



Assumptions:

1. Each villa is owned by one owner instead of many owners.
2. The price of each villa varies from night to night.
3. Each user could have some villas or none in their favorite list.
4. Each user could write one review or none if they rented villas before.
5. Each owner could define some coupons or none.
6. Each owner must have at least one villa.
6. Each manager must inspect every villa under their managing at least once.

Some descriptions:

All attributes are multi-valued.

All attributes are atomic.

The attribute of "Age" in the entity "Villa" is derived from the "Construction_Year" in the entity "Villa" and "Current_Year" that we could get from the sysytem.

The attribute of "Price_aftDiscount" is derived from the "Price" in the entity "Price" and the "Discount" in the entity "Coupon".