



List of Assumptions made for the vacation rental website:

1. Every user/subscriber of the website need not have a favorite villa in the Favorite villa list.
2. The date at which the user enters the villa, manager inspecting the villa, reservation check-in and reservation checkout time attributes are of DATETIME type. So that we could fetch both Date and time values from the tables.
3. The “Managed_By” attribute in MANAGER entity for CEO will be null as there will be no user managing him.
4. An owner can manage (add/delete) his villas. Hence, the procedure of adding or deleting his villas can be zero or more number of times.
5. “Villa_Age” in VILLA, is a derived attribute. The age of the villa can be calculated by “Villa_Construction_Year” and present date.
6. Whenever an user makes a like of a review, we record the “User_ID” and the corresponding “Review_ID”. The corresponding “Villa_ID” from REVIEW table can be fetched in order to calculate the highest number of liked review.
7. All Villa’s feature list can be added by owners and is present for all the villa’s.
8. Since a Manager is also a user, we don’t actually provide him with a separate ID. Instead we use User_Id for the purpose. The Manager set is assumed to be a sub-set of the whole User set.
9. An owner is a user but has the capability of owning villa’s. The assumption made is that owner is a person who buys villa’s and not just a layman who subscribes to the website and rent it out. So, the User_ID and Owner_ID are treated differently and then have designed the system.
10. An owner can define coupon facility to his villa but it’s assumed that the owner need not always provide with this facility for his villa.