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Assumptions and Reasoning

Assumption 1:

- A follow-up visit may have a different vet and different clinic allocated.
- A follow-up visit cannot generate more follow-up visits.

Reasoning 1:

- A vet may assign a follow-up visit to another vet or a specialised vet at a different (or same) clinic, depending on the situation.
- If a follow-up visit generates more visits, it can create a very messy database. It can be hard to keep track of whether a given follow-up visit was generated by a visit or a follow-up visit.

Assumption 2:

- Assume that the same owner will attend a follow up visit, hence their owner id does not to be recorded again.

Reasoning 2:

- This is because of the condition that a pet will only be assigned under one owner.

Assumption 3:

- Assume that the duration of the follow-up visit does not need to be recorded.

Reasoning 3:

- The notes of the initial visit can provide a good indication of the time taken.

Assumption 4:

- There can be certain specialisations that have no vets have specialised in.

Reasoning 4:

- Some specialised vets may have not been hired yet, even though the specialisation may be required in the future.

Assumption 5:

- Only 1 vet is involved in a visit/follow-up visit.

Reasoning 5:

- If a vet does not have required specialisation for a visit, he can assign a specialised vet in a future follow up visit.

Assumption 6:

- A visit only involves one pet at a time.

Reasoning 6:

- Another visit on the same day but different time can be assigned for owners who want to check-up multiple pets. It also maintains simplicity in the database.