

FINAL ERD

Team members: Andrea Joyce Sequeira, Anuja Ajit Surana, Bhagyashri Chavan, Suraj Visveswaraya, Vaidehi Sandeep Tawde

Optimized Solution:

1) At the end of a relationship line, there are two symbols, one for cardinality and the other for participation. All your line ends missed a symbol. Please add it.

The participation symbol for the relationship line have been added for each relationship between the tables

2) All your entities used a surrogate key as the PK. Therefore, all relationships in your ERD should be non-identifying (dotted line) instead of identifying (solid line).

All the relationships have been changed to dotted line making it non-identifying. A new associative entity has been created based on the 5th point in the feedback which is marked as identifying relationship.

3) The bill is monthly. Therefore, Apartment should have a one-to-many relationship with MonthlyBill.

Apartment's relationship to MonthlyBill has been changed to one-to-many from one-to-one.

4) Service should be connected to Apartment. There should be a 1-to-many relationship between Apartment and Service.

Service is already connected to apartment via MonthlyBill. MonthlyBill is an associative entity which references apartment and Service.

5) There should be an associative entity between Person and Events. A person may attend multiple events. An event has many people.

An associative entity between Person and Events which is Event Attendees has been created which is an identifying relationship of PK/FK PID and EID

6) Guest has PID as an FK but the relationship line is missing.

A non-identifying relationship line between Guest and Person has been created.