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Lab 11 ERD Table Descriptions

- Location Table:

This is the table that stores the details for each chain including the name, city, state, address and phone number, and is identified with a serial integer primary key LocationID. It is associated with the LocationRoom table to know the information for which rooms are at which location.

- LocationRoom:

This table ties together the Composite Key using foreign keys for LocationID and RoomID in order to store which rooms are at which location. This table also contains information about the price and RoomNumber as these will be unique to each room at each location. It is associated with the Locations and RoomLayouts tables to create it's composite key.

- RoomLayouts:

This is the table that stores the details for each room, which includes a serial primary key RoomID as well as a string for the RoomName and an enum for the Floor plan which would tell the number of rooms. This table is associated with both the LocationRoom table and the RoomAmenities table.

- RoomAmenities:

This table is a Pure Join Table to bring together the LayoutID from the RoomLayouts table and the LayoutID from the Amenities table. This table is associated only with the RoomLayouts and Amenities in order to create the connection between the two.

- Amenities:

This table stores information about the amenities including their ID and the Amenitie's name. It is only associated with the RoomAmenities table in order to tie it together with the RoomLayouts so that each RoomLayout can have multiple Amenities tied to it.