

## Assumptions:

There are some foreign Keys that are not explicitly depicted. For example, the rental agreement would have a foreign key of the rental group. Also, the property manager would contain a foreign key of what properties they are managing

An owner wouldn't be classified as one if they didn't own any property, Same with property manager too if they didn't manage any properties

it is possible for a rental property to not have a property manager

Renters can only sign with rental groups, if they want to rent a single room, they would be a rental group of 1

Rental Properties are possible to be unrented at a moment in time therefore partial participation for an agreement

Rental groups don't necessarily already rent a property so partial participation on rental agreement

Rental Groups don't exist without any renters so total participation on the rental group side

Renters are always in a group

"Unique" phone number means only 1 phone number so it's not a multi-valued attribute in the property managers case

rental groups cant have rented more than 1 property so only 1 rental agreement

All Date attributes don't need Day, Month, & Year as sub-attributes and can just be shortened to a string of numbers like 01/22/2024

The rental group relies on renters but can be identified independently of renters so it's not a weak entity