

# Community Property Management

In 3rd Normal Form, describe the entities and their attributes as tables and columns, as well as their relationships and cardinalities.

The model must efficiently answer the questions derived from the above requirements

A community of building owners wants to have a system to manage the information of their properties, as well as their owners and any incidents that may occur. In addition, they also want to monitor the payments of dues and shared expenses.

Each building can have several floors and each floor several housing units. Owners can have multiple properties, and each property can belong to only one owner. Properties may be rented to third parties.

A record must be kept of the incidents reported for each property, such as problems with water, electricity, gas supply, breakdowns in facilities, etc. It is also necessary to record who reported the incident and the date it was reported.

Each property is subject to a monthly fee that must be covered by the owner or tenant. A record of payments made and pending for each property must be kept.

A database must be designed in third normal form to manage the aforementioned information.