Case Parking Lot (en)

Develop an E/R model of a database that is to be used in the following system.

A homeowners association (that is, an association of people who own apartments) owns a parking lot. The parking lot has a number of parking spaces. The owners and their guests may freely use all the parking spaces, except some spaces that have electric sockets for electric cars. Such a parking space is rented by one of the apartment owners, who has exclusive use of the space. The rent for the space is added to the apartment rent.

The spaces with electric outlets are popular, and there is a queue of apartments that wish to rent such a space. Each apartment may have at most one place in the queue. When a space becomes available, the apartment with the longest queue time may rent it. One of the apartment owners must sign the contract (an apartment may have more than one owner, and an owner may own more than one apartment).

The association sometimes has problems with scrap cars that are deposited in theparking lot. It is often a difficult procedure to get rid of these cars. Discovery of a scrap car must be registered in the database, as well as each thing that happens with the car (Parking space 43: 2009–04–26 “Discovered suspect car, license number XYZ789”,2009–05–02 “Called the police about the car”, and so on).

Aanpak, zelfde aanpak als vorige case.

Revision #4
Created 2019-09-21 09:09:04 UTC by Admin
Updated 2019-10-15 17:55:45 UTC by Admin