The Natural Park Database

A well-known Natural Park wants to create a database that helps to manage its resources more effectively.

The Park receives donations from individuals, companies, or institutions (there may even be anonymous donors). These sponsors donate funds altruistically to the Park. It is necessary to save the date and the total amount donated. In relation to the individuals, they need to store their ID, name, and address. Companies and institutions will keep the VAT number and its name.

The Park has several accounts open in different banks for donations. Sponsors can use these accounts to make their donations. Each account is used by at least one sponsor.

The employees of the park can be monitors (who are dedicated to make guided tours of the park, each in their schedule), maintenance staff (in charge of caring for the different areas of the park) and veterinarians. If an animal has health problems (for example with some type of disease or injury) They are admitted to a veterinarian – when talking about health you are admitted not assigned to a medical professional. It is important to store the treatment information that the animals have received. A veterinarian may be responsible for the treatment of one or several animals. It will be necessary to store the species of the animal, the date of beginning of the treatment, the date of completion (when it has finished) and the prescribed treatment. The expenses produced by each treatment will come from one of the accounts that the park owns, being able to use the money of an account to pay different treatments.

There is an exhaustive control of the people who visit the park (ID, name, address ...), the dates on which the visits were made and the monitor who served as guide.

The park is divided into several zones. A maintenance person will work only in one of the zones. For each zone you have to keep its extension and a brief description of it.

Propose an entity-relationship model that collect all the requirements described