



Entity-Relationship Diagram

ZOO

Design an entity / relationship diagram for a zoo that wants an app to manage its organization. Take into account the following:

- **Species:** we want to know the name, scientific name and a general description. Take into account that a species can live in different habitats and one habitat can be occupied by several species. The zoo is divided into zones so that every species is located in one specific zone and in one zone there are several species.
- **Habitats:** different natural habitats are defined by the name, climate and main vegetation type, as well as continent or continents where they are.
- **Zones:** the zones where the different species live, are defined by the name and its extension.
- **Itinerary:** the itinerary goes through different zones, the information for each itinerary is code, duration, length, maximum visitors number and species visited through the zones where the itinerary goes by. Each species is only visited in one itinerary. Keep in mind that the itinerary goes by different zones and one zone can be visited by different itineraries.
- Among zoo staff there are zookeepers and guides.
- **Guides** are defined by the name, address, telephone, the date they began to work at the zoo and his/her nationality. We want to know the itineraries they do, keeping in mind that one guide can go by several itineraries and one itinerary can be guided by more than one guide at different times.
- **Zookeeper** are defined by the name, address, telephone, the date they began to work at the zoo and his/her specialty. Have in mind that one zookeeper can care for several species and one species can be cared by more than one zookeeper.
- Some zookeepers are coordinators of other zookeepers to monitor them when they are beginner.