

For the scenario below identify the entities, their attributes and appropriate keys

Finsbury Happy Zoo

Finsbury Happy Zoo's concept is to show **animals** together in their **habitats**. They have a number of **enclosures** of different **habitat types** (such as forest or tundra), **different sizes** (square metres), each having a **main feature** (such as a stream or a cave). Animals of different **species** share the same enclosure. **Each enclosure has a unique number** and there can be several enclosures with the same habitat but with a different main feature or of a different size. Each **animal has a unique ID, and their name, date_of_birth, diet and description** are stored. When an **animal is put in an enclosure, the start date is recorded, and if they are transferred to another enclosure the end date is recorded**. Zoo keepers may need to make a note about a particular animal, for example "not eating well today" and this is recorded along with the date. To make sure the animals don't eat each other a species compatibility table is maintained which has the following information; speciesA, speciesB, compatibility_rating (5 for happy neighbours to 1 for bitter enemies). Species are identified by their name, and a description of the species and their **habitat type are recorded**. Species are matched against enclosures by Zoo staff, and if suitable the **maximum number of animals of a particular species for a particular enclosure** is recorded to prevent overcrowding.

Animals:

Species

Unique ID number

Name

Date of birth

Description

Date of animal added to enclosure

Date of animal transferred to another enclosure

Notes with dates

Compatibility rating

Enclosure:

Habitat types

Size

Main feature

Unique ID number

Date of animal added to enclosure

Date of animal transferred to another enclosure

Max number of species in one enclosure