

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**.

Enclosures (Entity)

Type of habitat

Sizes

Main feature

ID enclosure (key)

Max number of animals

Animal (Entity)

Animal id (key)

Name

Date of birth

Diet

Description

Start date

End date

Species (Entity)

Name(key)

Compatibility rating

Description

Habitat type