

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.

Since attributes and keys are similar, the keys for the respective entities are mentioned below:

KEYS:

Enclosures: Unique Number

Animals: Unique ID

Zoo keeper: Animal ID

Species: Species Name