

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.