

For the scenario below identify the entries, 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**. **Animal ID**

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). **Compatibility ID**

Species are identified by **their name**, and a **description** of the species and their **habitat** type are recorded. **Species name**

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. **Enclosure capacity, overcrowding scale register**

1. Enclosures (entity)

Attributes:

- **Habitat types (forest or tundra)**
- **Size of enclosures**
- **Main feature (stream or a cave)**

Key: enclosure ID

2. Animal (entity)

Attributes:

- **Name**
- **Date of birth**
- **Diet and description**

Key: animal ID

3. Animal enclosure assignment (entity)

Attributes:

- **Start date**
- **End date**

- Note(e.g., not eating well today)

Key: Record Id (primary key)

4. Species compatibility (entity)

Attributes:

- SpeciesA
- SpeciesB
- Compatibility rating (1 to 5)

Key: Compatibility ID (Unique identifier)

5. Species Enclosure capacity (entity)

Attributes:

- Max. number of animals
- Species name
- Enclosure ID

Key: Overcrowding scale