

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.

Entities

Attributes

Primary key 🔑

Foreign key 🔑

tblAnimals	tblEnclosure	tblCompatibility	tblSpecies
🔑 UniqueID Name DOB Diet AnimalsDescription Notes (With DateRecord) 🔑 (Enclosure) UniqueNumber	🔑 UniqueNumber HabitatType (e.g forest or tundra) Sizes (e.g square metres) MainFeature (e.g stream or cave)	SpeciesA SpeciesB CompatibilityRating (1-5) 🔑 (Animals) UniqueID 🔑 SpeciesName	🔑 SpeciesName SpeciesDescription HabitatType