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.

Enclosure (Entity)

Unique Enclosure Number (Primary Key)

Habitat Type

Size

Main Feature

Animal

Unique Animal ID (Primary Key)

Name

Date of Birth

Diet

Description

Species Compatibility (Entity)

Compatibility ID (Primary Key)

Species A (Foreign Key)

Species B (Foreign Key)

Compatibility rating

Species

Name (Primary Key)

Description

Habitat Type

Zoo Keepers Note

Note ID (Primary Key)

Date Recorded

Note/Message

Unique Animal ID (Foreign Key)

Animal in enclosure

Animal in Enclosure Record ID (Primary Key)

Enclosure Start Date
Unique Enclosure Number (Foreign Key)
Enclosure End Date
Unique Animal ID (Foreign Key)

Species in enclosure

Species in Enclosure ID (Primary Key)
Species Name (Foreign Key)
Maximum Number of Animals - of a Particular Species
Unique Enclosure ID (Foreign Key)