Scenerio:

Finsbury Happy Zoo

Zoo animals are housed in groups according to species in different habitats with individual identification, habitat type, size, and feature. Information of animals with ID numbers, their name, date of birth, diet, and description. Transfer in between enclosures is logged using start and end dates. Health of the animals is made and they may be required. Conflicts are avoided using species compatibility table where species are numbered from 1 to 5 and compatibility with enclosures achieved based on habitat suitability in addition to maximum species capacity. Species are given by name, habitat, and other relevant details.

Entities and Attributes:

Enclosure (Entity)
       Enclosure Number – 21 (primary key)
       Habitat Type – Tundra
       Main feature – Cave
       Enclosure Capacity - 8
       Land Size – 300 m^2

Animal (Entity)
       Animal ID – 2354 (primary key)
       Name – Bob
       DOB – 21/03/2015
       Diet – Carnivorous
       Description – Wide, Sharp teeth
       Enclosure Number – 21 (foreign key)

Species (Entity)
       Species name – Tigers (primary key)
       Description – Furry, Sharp Teeth, Big Paws
       Habitat type – Forests
       Enclosure number – 54 (foreign key)

Compatibility (Entity)
       Species A – Rhino
       Species B – Tiger
       Compatibility rating – 4

Species Transferred to Enclosure (Event Entity)
       Start Date - 03/07/2017
       Enclosure Number – 21
       End Date – 27/05/2019