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DATABASES PRACTICALS

1. Entities for the management of the lions in the national parks
   - National Park Service
   - African Parks
   - Panthera
   - International Union for Conservation of Nature (IUCN)
   - Local communities
   - Researchers and scientists
   - Government agencies
   - National Park Service
   - Wildlife Conservation Society

2. List of entities, their attributes, constraints and relations
   - **National Park Service**

     a)   Attributes:
     park_id (integer)

     park_name (string)

     park_location (string)

     b)   Relationships:
     Many-to-many relationship with Lion entity

     c)   Constraints:
     Each park must have a unique park_id

   - **Wildlife Conservation Society**

     a)   Attributes:
     wcs_id (integer)

     wcs_name (string)

     wcs_location (string)

     b)   Relationships:
     Many-to-many relationship with Lion entity

     c)   Constraints:
     Each WCS entity must have a unique wcs_id

   - **African Parks**

a) Attributes:

ap_id (integer)

ap_name (string)

ap_location (string)

b) Relationships:

Many-to-many relationship with Lion entity

c) Constraints:

Each African Parks entity must have a unique ap_id

- **Panthera**

a) Attributes:

panthera_id (integer)

panthera_name (string)

panthera_location (string)

b) Relationships:

Many-to-many relationship with Lion entity

c) Constraints:

Each Panthera entity must have a unique panthera_id

- **International Union for Conservation of Nature (IUCN)**

a) Attributes:

iucn_id (integer)

iucn_name (string)

iucn_location (string)

b) Relationships:

Many-to-many relationship with Lion entity

c) Constraints:

Each IUCN entity must have a unique iucn_id

- **Local communities**

a) Attributes:

community_id (integer)

community_name (string)

community_location (string)

    b)   Relationships:

Many-to-many relationship with Lion entity

    c)   Constraints:

Each community entity must have a unique community_id

- **Researchers and scientists**

    a)   Attributes:

researcher_id (integer)

researcher_name (string)

researcher_location (string)

    b)   Relationships:

Many-to-many relationship with Lion entity

    c)   Constraints:

Each researcher entity must have a unique researcher_id

- **Lion**

    a)   Attributes:

lion_id (integer)

lion_name (string)

lion_gender (string)

lion_age (integer)

lion_location (string)

    b)   Relationships:

Many-to-many relationship with all other entities

    c)   Constraints:

Each lion entity must have a unique lion_id