

identify entities for management of lions of the national parks. outcome: list of entities

1. National Park Service: This is the primary agency responsible for managing national parks and protecting wildlife, including lions.
2. Wildlife Conservation Society: This is a non-profit organization that works to protect wildlife and their habitats. They may be involved in research, monitoring, and conservation efforts related to lions in national parks.
3. International Union for Conservation of Nature: This is a global organization that provides scientific advice and guidance on conservation efforts. They may provide guidance and support for lion conservation in national parks.
4. Local governments: Local governments may have a role in managing national parks and may work with the National Park Service and other organizations to manage lions and other wildlife.
5. Non-governmental organizations: Other non-profit organizations may be involved in lion conservation in national parks, including those focused on animal welfare, conservation, or environmental protection.
6. Wildlife biologists: These are experts in studying and managing wildlife populations. They may be involved in research and monitoring of lion populations in national parks.
7. Park rangers: Park rangers are responsible for enforcing park rules and regulations and may be involved in managing lion-human interactions in national parks.
8. Tour operators: Tour operators who bring visitors to national parks may have a role in managing lion interactions with tourists and ensuring that park rules and regulations are followed.

develop the attributes, relationship and constraints of the entities. outcome : list of entities, their attributes, constraints and relations

1. National Park Service
  - Attributes: park name, location, size, number of visitors, funding, park rules and regulations
  - Relationships: oversees the management of national parks, works with other organizations to manage wildlife populations
  - Constraints: limited funding and resources, need to balance conservation efforts with park visitors' needs

## 2. Wildlife Conservation Society

- Attributes: research data on lion populations, conservation strategies, funding, partnerships with other organizations
- Relationships: works with national parks and other organizations to study and manage lion populations, provides guidance and support for lion conservation efforts
- Constraints: limited funding and resources, need to balance conservation efforts with other organizational priorities

## 3. International Union for Conservation of Nature

- Attributes: scientific research and advice on conservation, funding, partnerships with other organizations
- Relationships: provides scientific guidance and support for lion conservation efforts, works with national parks and other organizations to promote conservation efforts
- Constraints: limited funding and resources, need to balance conservation efforts with other organizational priorities

## 4. Local governments

- Attributes: location, funding, partnerships with national parks and other organizations
- Relationships: works with national parks and other organizations to manage lion populations, may have a role in enforcing park rules and regulations
- Constraints: limited funding and resources, need to balance conservation efforts with other local government priorities

## 5. Non-governmental organizations

- Attributes: focus on animal welfare, conservation, or environmental protection, funding, partnerships with other organizations
- Relationships: works with national parks and other organizations to promote conservation efforts, may provide funding and support for lion conservation efforts
- Constraints: limited funding and resources, need to balance conservation efforts with other organizational priorities

## 6. Wildlife biologists

- Attributes: scientific research data on lion populations, expertise in wildlife management, funding

- Relationships: work with national parks and other organizations to study and manage lion populations, may provide guidance and support for conservation efforts
- Constraints: limited funding and resources, need to balance conservation efforts with other research priorities

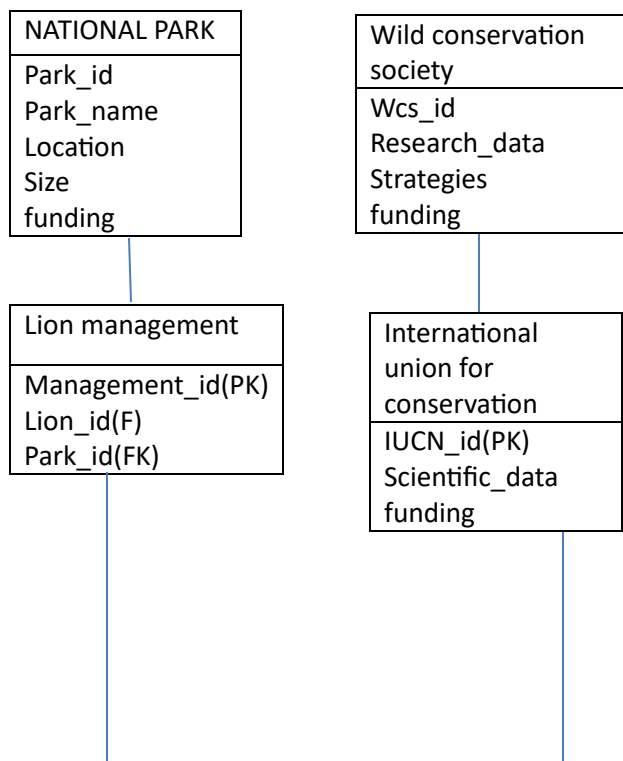
#### 7. Park rangers

- Attributes: park rules and regulations, training in wildlife management, funding
- Relationships: responsible for enforcing park rules and regulations related to lion management, may work with other organizations to manage lion populations
- Constraints: limited funding and resources, need to balance conservation efforts with park visitors' needs

#### 8. Tour operators

- Attributes: tour itineraries, funding, partnerships with national parks and other organizations
- Relationships: responsible for ensuring park rules and regulations related to lion management are followed, may work with national parks and other organizations to manage lion interactions with tourists
- Constraints: need to balance conservation efforts with tourists' needs and expectations, limited funding and resources

Constraints across these entities may include conflicting priorities, limited funding and resources, and balancing conservation efforts with the needs of park visitors and other stakeholders. Successful lion management in national parks will require effective coordination and collaboration among these entities, along with ongoing research, monitoring, and evaluation of conservation efforts.



lion
lion_id (PK)
age
location
health
population

Lion interactions
interaction_id
location
lion_id (FK)
operator_id (FK)

Wildlife biologists
Bio_id(PK)
research_data
expertise
funding

Park rangers
ranger_id (PK)
rules_reg
expertise
training
funding

Tour operators
operator_id (PK)
itinerary
funding

