

1. entities of management

- Lion
- National Park
- Park Ranger
- Wildlife Biologist
- Conservation Officer
- Wildlife Veterinarian
- Local Community
- Tour Operator
- Environmental NGO
- Government Agency

2. List of entities, their attributes, constraints and relations

1. Lion

- Attributes: species, age, gender, health status, GPS tracking data
- Relationships: may have interactions with other lions, prey species, or humans
- Constraints: may require protection from hunting or poaching, may be subject to population control measures

2. National Park

- Attributes: size, location, topography, habitats, vegetation, infrastructure, regulations
- Relationships: may provide habitat and protection for lions, may have interactions with local communities, tourism industry, and government agencies
- Constraints: may have limited resources for lion management, may be subject to political pressures and competing interests

3. Park Ranger

- Attributes: training, experience, equipment, authority, communication skills
- Relationships: may work closely with other rangers, wildlife biologists, and conservation officers, may interact with visitors and local communities
- Constraints: may be limited by park regulations and policies, may face safety risks from wildlife or human conflict

4. Wildlife Biologist

- Attributes: education, research experience, field skills, equipment
- Relationships: may collaborate with park rangers, conservation officers, and other researchers, may interact with local communities and tourism industry
- Constraints: may face challenges related to data collection and analysis, may be subject to funding constraints

5. Conservation Officer

- Attributes: training, experience, authority, equipment, communication skills
- Relationships: may work closely with park rangers, wildlife biologists, and government agencies, may interact with local communities and tourism industry
- Constraints: may be subject to political pressures and competing interests, may face safety risks from wildlife or human conflict

6. Wildlife Veterinarian

- Attributes: education, veterinary experience, equipment, medical supplies
- Relationships: may collaborate with park rangers, wildlife biologists, and conservation officers, may interact with local communities and tourism industry
- Constraints: may face challenges related to access to animals and medical supplies, may be subject to funding constraints

7. Local Community

- Attributes: cultural values, livelihoods, attitudes towards wildlife, awareness of conservation issues
- Relationships: may interact with park management, tourism industry, and government agencies, may be impacted by lion activity and management practices
- Constraints: may have competing interests with park management and tourism industry, may have limited access to information and resources related to lion management

8. Tour Operator

- Attributes: experience, equipment, communication skills, awareness of regulations and conservation issues
- Relationships: may provide wildlife viewing opportunities to visitors, may work with park management and local communities
- Constraints: may be limited by park regulations and policies, may face challenges related to ensuring visitor safety and minimizing impact on wildlife

9. Environmental NGO

- Attributes: mission, expertise, resources, communication skills
- Relationships: may collaborate with park management, government agencies, and local communities, may advocate for conservation policies and practices
- Constraints: may face challenges related to funding and resource constraints, may have competing interests with other stakeholders

10. Government Agency

- Attributes: authority, resources, policies, regulations
- Relationships: may manage the park and oversee lion management practices, may collaborate with other stakeholders
- Constraints: may face political pressures and competing interests, may have limited resources for conservation and management activities.