

## 1. Enclosure (Entity)

- **Enclosure ID** – ENC001 (Primary Key)
- **Habitat Type** – Woodland
- **Area (Square Metres)** – 500 sqm
- **Main Attraction** – Small Waterfall

## 2. Animal (Entity)

- **Animal ID** – ANM001 (Primary Key)
- **Name** – Simba
- **Birth Date** – 1st June 2018
- **Dietary Preference** – Meat
- **Description** – A healthy male lion, originally from Africa

## 3. Species (Entity)

- **Species Name** – Panthera leo (Primary Key)
- **Species Overview** – Large predatory cat from the savanna
- **Habitat Preference** – Grasslands

## 4. Enclosure Assignment (Entity - Event Entity)

- **Assignment ID** – ASG001 (Primary Key)
- **Animal ID** – ANM001 (Foreign Key to Animal)
- **Enclosure ID** – ENC001 (Foreign Key to Enclosure)
- **Assigned On** – 5th July 2020
- **Removed On** – 12th September 2021 (if applicable)

## 5. Zoo Notes (Entity)

- **Note ID** – NTE001 (Primary Key)
- **Animal ID** – ANM001 (Foreign Key to Animal)
- **Observation Date** – 12th July 2023
- **Observation** – Simba did not eat his meal today

## 6. Species Compatibility (Entity)

- **Species A** – Panthera leo (Foreign Key to Species)
- **Species B** – Equus quagga (Foreign Key to Species)
- **Compatibility Score** – 2 (1: hostile, 5: harmonious)

## 7. Enclosure Capacity (Entity)

- **Capacity ID** – CAP001 (Primary Key)
- **Species Name** – Panthera leo (Foreign Key to Species)
- **Enclosure ID** – ENC001 (Foreign Key to Enclosure)
- **Max Population** – 3 lions
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