

1. Enclosure

-Attributes

- Enclosure ID (Primary Key)
- Habitat Type (e.g., Forest, Tundra)
- Size (in square meters)
- Main Feature (e.g., stream, cave)

Key

- Primary Key: `Enclosure ID`

2. Animal

-Attributes

- Animal ID (Primary Key)
- Name
- Date of Birth
- Diet
- Description

Key

- Primary Key: `Animal ID`

3. Species

- **Attributes

- Species Name (Primary Key)
- Description

4. Animal Enclosure Assignment

Attributes

- Assignment ID (Primary Key)
- Animal ID (Foreign Key to Animal)
- Enclosure ID (Foreign Key to Enclosure)
- Start Date (date when the animal was placed in the enclosure)
- End Date (date when the animal was transferred out of the enclosure, if applicable)

-Key

- Primary Key: `Assignment ID`
- Foreign Key: `Animal ID`, `Enclosure ID`

5. Zookeeper Note

Attribute

- Note ID (Primary Key)
- Animal ID (Foreign Key to Animal)
- Date (the date when the note was recorded)
- Note Text (description of the note)

- Key

- Primary Key: `Note ID`
- Foreign Key: `Animal ID`

6. Species Compatibility

- Attributes

- Compatibility ID (Primary Key)
- Species A Name (Foreign Key to Species)
- Species B Name (Foreign Key to Species)

- Compatibility Rating (from 1 to 5)

- Key

- Primary Key: `Compatibility ID`

- Foreign Key: `Species A Name`, `Species B Name`

7. Species Enclosure Assignment

- Attributes

- Assignment ID (Primary Key)

- Species Name (Foreign Key to Species)

- Enclosure ID (Foreign Key to Enclosure)

- Max Number of Animals (maximum allowed number of animals of this species in the enclosure)

- ****Key****:

- Primary Key: `Assignment ID`

- Foreign Key: `Species Name`, `Enclosure ID`