Project Name: ZooEase

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**Objective**

The objective of the ZooEase application is to streamline zoo management by providing a platform for creating and managing zoo profiles and animal records. This tool aims to enhance efficiency, accuracy, and user-friendliness in zoo operations.

**Background**

Effective zoo management is critical for wildlife conservation, education, and visitor satisfaction. Many zoos currently use outdated or manual systems, leading to inefficiencies. ZooEase will address these issues by offering a modern, comprehensive solution for zoo administrators.

**Business Rules**  
  
General - All Fields Must Be Complete: The user can only create a new zoo if all the required fields are filled out. Required fields might include:

**1. Unique Habitat Assignment Rule**

Description: Each habitat within a zoo must host only one species of animal to ensure proper care and environmental needs are met.

Rule Enforcement:

When adding a new animal to the zoo, the system will check the habitat assignment.

This rule ensures that each species has an environment tailored to its specific needs, promoting better health and welfare for the animals.

Example Scenario:

A user attempts to add a Bengal tiger to Habitat A, which currently houses African elephants.

The system will prevent this addition and notify the user that Habitat A is already assigned to a different species, prompting them to choose another habitat.

**2. Mandatory Health Check Rule**

Description: Every animal added to the zoo must have a health check conducted and documented by a certified veterinarian before it can be entered into the system.

Rule Enforcement:

When adding a new animal, the system requires a health check confirmation field to be completed.

Without this confirmation, the system will not allow the animal entry to be saved.

This rule ensures that all animals entering the zoo are healthy and reduces the risk of disease spreading within the zoo population.

Example Scenario:

A user tries to add a new lion cub to the zoo’s records but skips the health check confirmation.

The system will block the submission and alert the user to complete and upload the health check documentation before proceeding.

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