

1. Animal

1.1 Animal Registration:

The system shall allow the user to register and remove animals.

1.2 Animal Retrieval

The system shall allow the user to retrieve specific animals.

1.3 Animal Details

The system shall allow the user to retrieve and update the details of a specific animal.

2. Habitat

2.1 Habitat Registration:

The system shall allow the user to create and remove habitats.

2.2 Habitat Retrieval:

The system shall allow the user to retrieve specific habitats, or all habitats by environment type, size, geographical area, etc.

2.3 Habitat Details:

The system shall allow the user to view and update detailed information about a habitat, including its geographic area, size, environment type, and assigned animals.

2.4 Assigning Animals to Habitats:

The system shall allow the user to assign groups of animals to individual habitats.

3. Migration

3.1 Migration Registration

The system shall allow the user to create and remove migrations along migration paths.

3.2 Migration Retrieval

The system shall allow the user to retrieve specific migrations, all migrations, or all migrations along specific paths, etc.

3.3 Migration Management

The system shall allow the user to schedule and cancel migrations.

3.3 Migration Details

The system shall allow the user to view and update the details of individual migrations.

3.1 Migration Paths

3.1.1 Migration Path Registration:

The system shall allow the user to create and remove migration paths between habitats.

3.1.2 Migration Path Retrieval:

The system shall allow the user to retrieve specific migration paths or all migration paths by species, habitats, etc.

3.1.3 Migration Path Details

The system shall allow the user to view and update detailed information about a migration path, including its species, starting location and destination habitats and duration.