



Zoo Management System

User Manual

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Introduction

Welcome to the Zoo Management System User Manual! This manual provides an overview of our innovative software designed to streamline zoo operations and enhance visitor experiences. Whether you are part of the zoo management team or a visitor curious about our animal residents, this user manual will guide you through the essential features of our program.

Purpose:

The Zoo Management System is a software application developed to facilitate efficient management of zoo activities and provide valuable information to visitors. This program serves as a comprehensive tool for zoo administrators to organize animal data, adjust ticket prices, and oversee daily operations. Additionally, it offers visitors an interactive platform to explore animal details and learn about our diverse zoo inhabitants.

Key Features:

Animal Management: Easily add new animals to the database and manage their locations within the zoo.

Ticket Price Management: Adjust ticket prices dynamically based on specific criteria.

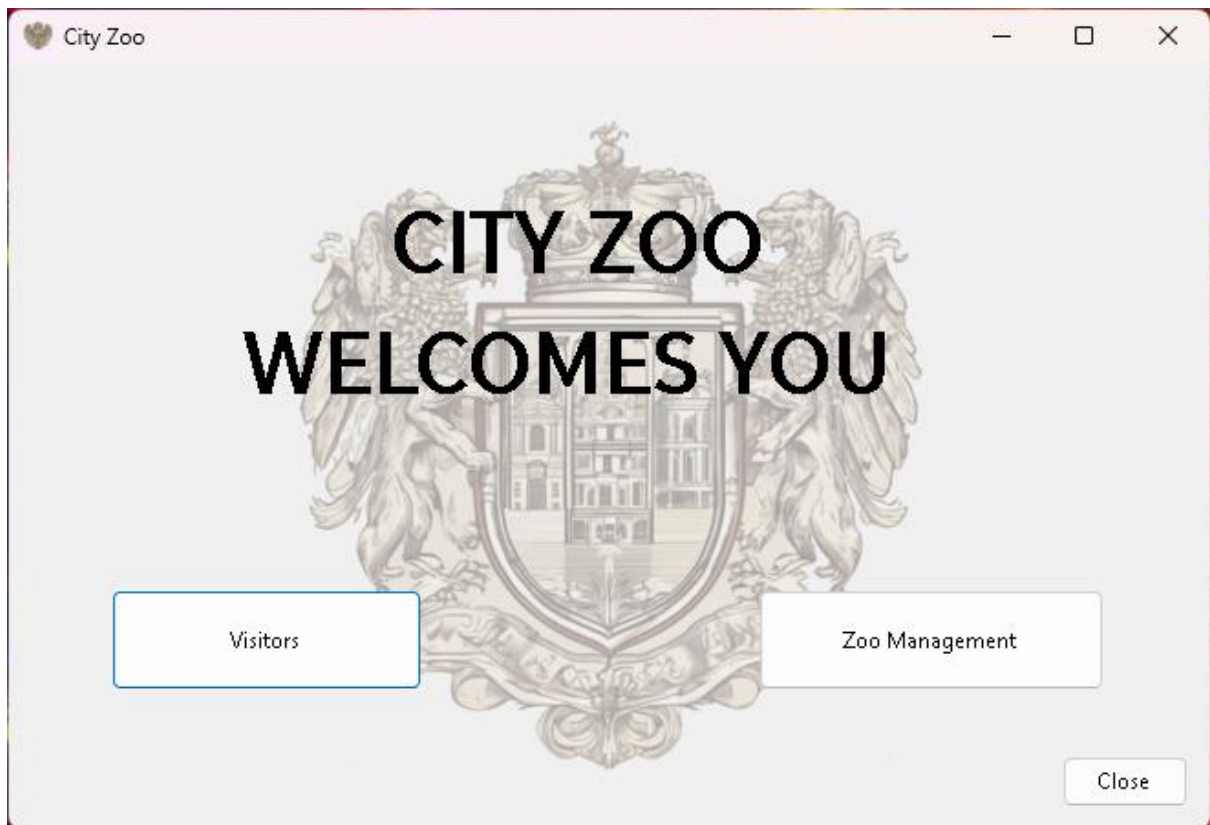
Dietary Requirements: Access detailed dietary information for each animal, ensuring their well-being.

Visitor Information: Enable visitors to access comprehensive information about zoo animals, fostering engagement and education.

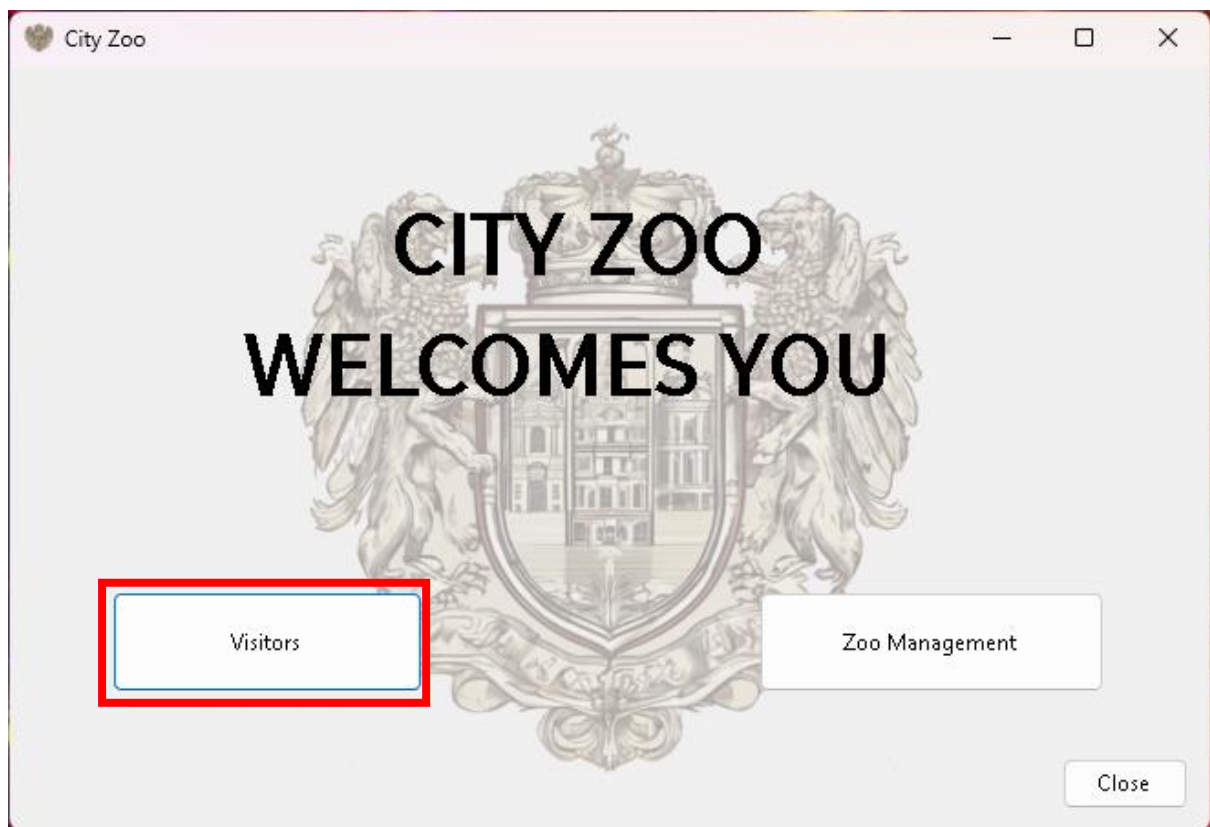
Target Audience:

The Zoo Management System is designed for zoo management personnel responsible for overseeing daily operations, maintaining animal records, and enhancing visitor experiences. Additionally, the system caters to zoo visitors seeking to explore animal information and make the most of their zoo visit.

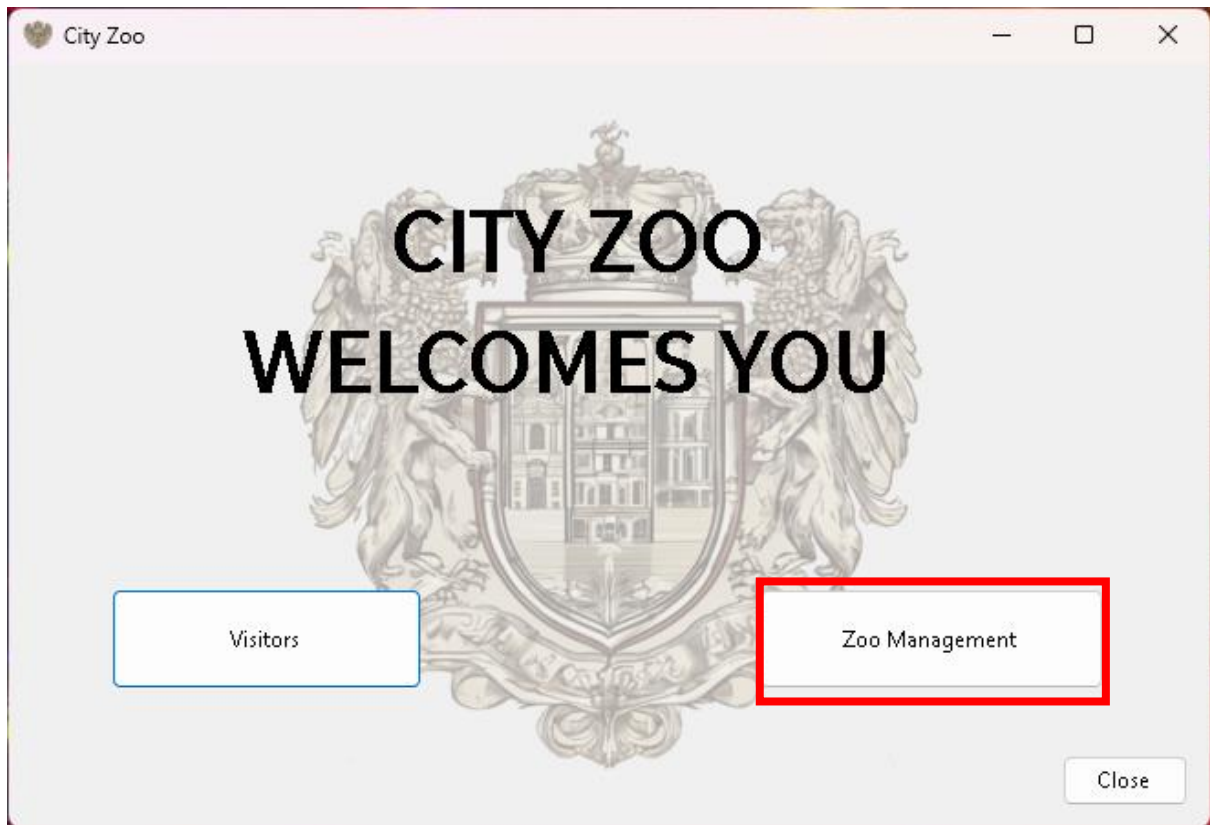
Main Menu



Upon launching the Zoo Management System, you'll encounter a simple interface featuring three distinct buttons: "Visitors," "Zoo Management," and "Close." Each button serves a specific purpose to guide users through the application.



Visitors: Clicking the "Visitors" button grants access to a dedicated window designed to provide visitors with detailed information about the zoo's animal residents. Here, visitors can explore animal profiles, learn about dietary requirements, and discover exciting facts about the zoo's inhabitants.

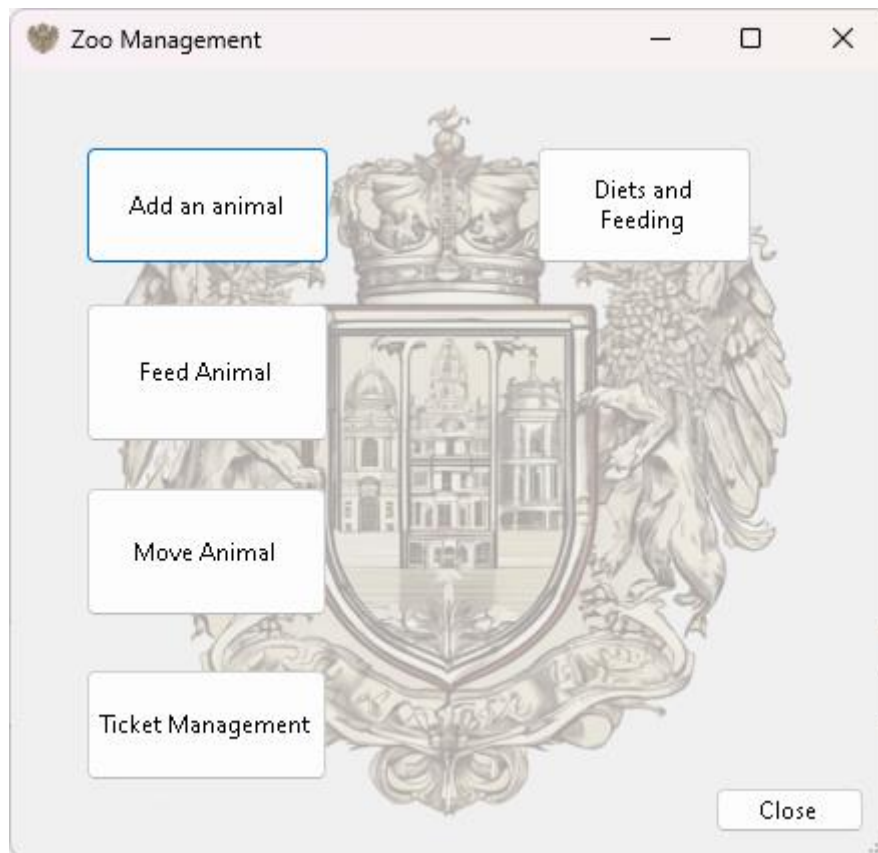


Zoo Management: Selecting the "Zoo Management" button directs zoo personnel to an administrative window tailored for managing zoo operations. This section allows staff to add or relocate animals within the zoo, adjust ticket prices, and ensure the smooth functioning of daily activities.

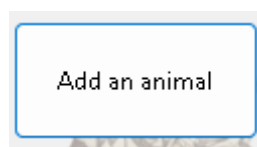


Close: Should you wish to exit the program, simply click the "Close" button to close the application and return to your desktop.

Management View



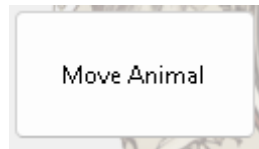
This screen features six intuitive buttons, each leading to a specific task essential for efficient zoo management.



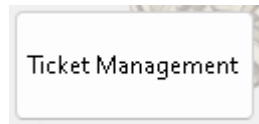
Add Animal: Clicking this button opens a new window to add a new animal to the zoo's database, providing essential details such as species, habitat requirements, and arrival date.



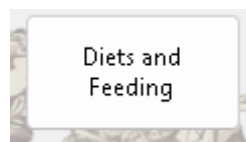
Feed Animal: This feature is not available just yet but will allow the zoo management to set how much food is needed per animal.



Move Animal: Utilize this button to relocate animals within the zoo, facilitating better habitat management and visitor engagement.

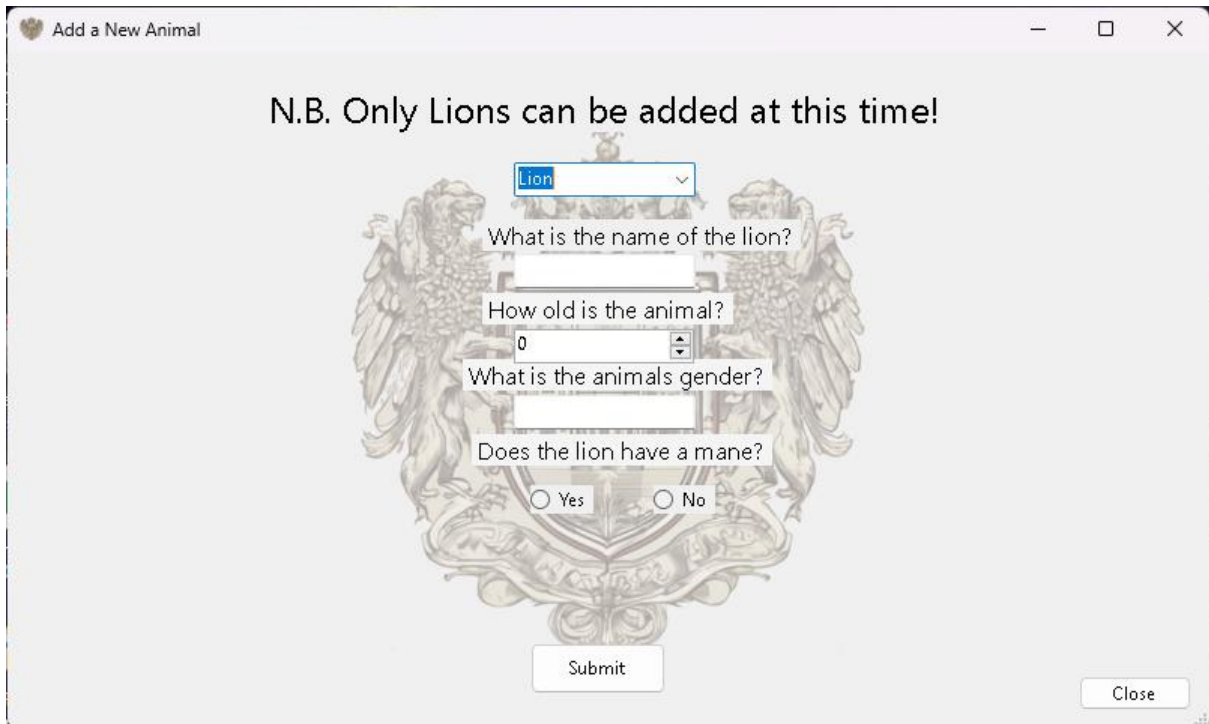


Ticket Price Management: Click here to adjust ticket prices based on visitor age, enhancing revenue management.



Diet and Feeding Times: This button opens a window displaying detailed dietary requirements and feeding times for various animals, aiding in proper care and management.

Add animal



Add a New Animal

N.B. Only Lions can be added at this time!

Lion

What is the name of the lion?

How old is the animal?

0

What is the animals gender?

Does the lion have a mane?

☐ Yes ☐ No

Submit

Close

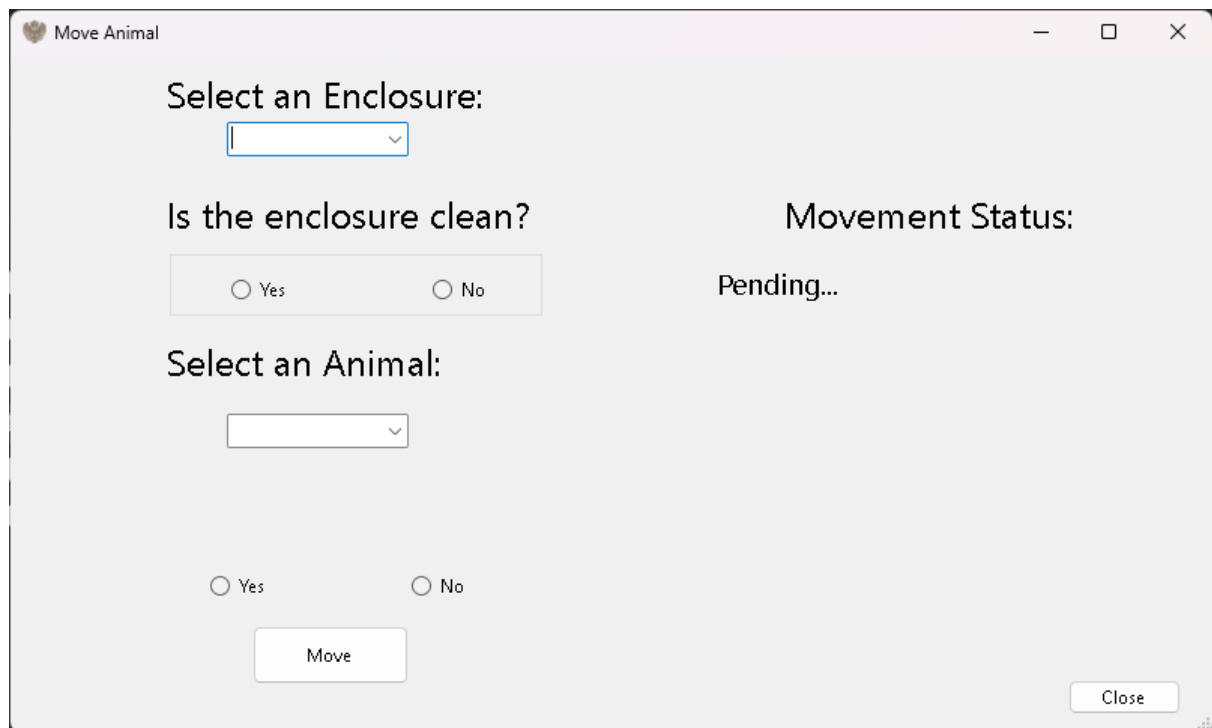
Please ensure that all required fields are correctly filled out to successfully add the lion.

Fields include details such as name, age, gender, and if the lion has a mane or not to lions.

If any mandatory fields are left blank or contain invalid data, error messages will appear on the right-hand side of the window to guide you. These messages will indicate which fields require attention or correction.

Additionally, at the bottom of the window, you will find a status message informing you when the lion will be successfully added once all necessary information is provided and validated. Take note of these messages to ensure a smooth addition process for the lion.

Move Animal



The screenshot shows a window titled "Move Animal" with a standard macOS-style title bar (minimize, maximize, close buttons). The window contains the following elements:

- Select an Enclosure:** A dropdown menu.
- Is the enclosure clean?:** Two radio buttons labeled "Yes" and "No".
- Select an Animal:** A dropdown menu.
- Movement Status:** The text "Pending..." is displayed.
- Yes/No:** Two radio buttons at the bottom of the form.
- Move:** A button located below the second set of radio buttons.
- Close:** A button in the bottom right corner of the window.

When accessing the "Move Animal" window within the Zoo Management interface, begin by selecting the desired enclosure from the available options.

Next, indicate whether the selected enclosure is clean by clicking the corresponding radio button. If there are any issues or incomplete selections, status messages will appear on the right-hand side of the window to provide feedback and guidance.

These messages will highlight any required actions or corrections needed to proceed with moving the animal effectively.

Ensure to review and address these status indicators to facilitate a successful animal relocation within the zoo.

Ticket management

Prices Management

Change the prices. Be sure to fill in all the boxes.

Standard Price

Seniors Price
Qualifying Age

Childs Price
Bottom Age Limit
Top Age Limit

In the "Ticket Management" window of the Zoo Management interface, you can adjust ticket prices for standard visitors, seniors, and children.

To set the ticket price for seniors, specify the age limit using the provided input field. This ensures that visitors above this age threshold qualify for the senior ticket rate.

For children, establish a range by entering two age limits, defining the minimum and maximum ages eligible for the child ticket price.

Once the desired prices and age limits are configured, confirm the changes to update the ticket pricing structure for different visitor categories.

Ensure all adjustments are accurately entered before finalizing to maintain consistent pricing standards across visitor demographics.

The message icons will change when there is an error when adding the data to the fields.

Diet and Feeding

The screenshot shows a window titled "Diet and Feeding" with a close button in the top right corner. Inside the window, there is a heading "Select an Animal to see its dietary and feeding requirements." Below this heading, there are three buttons for animal selection: "Lions", "Parrots", and "Tortoises". The "Lions" button is highlighted with a blue border. To the right of the buttons, there is a table displaying feeding information for the selected animal (Lions).

Type of Food:	Meat
Number of Feedings:	Twice a day
Feeding Times:	09:00 16:00

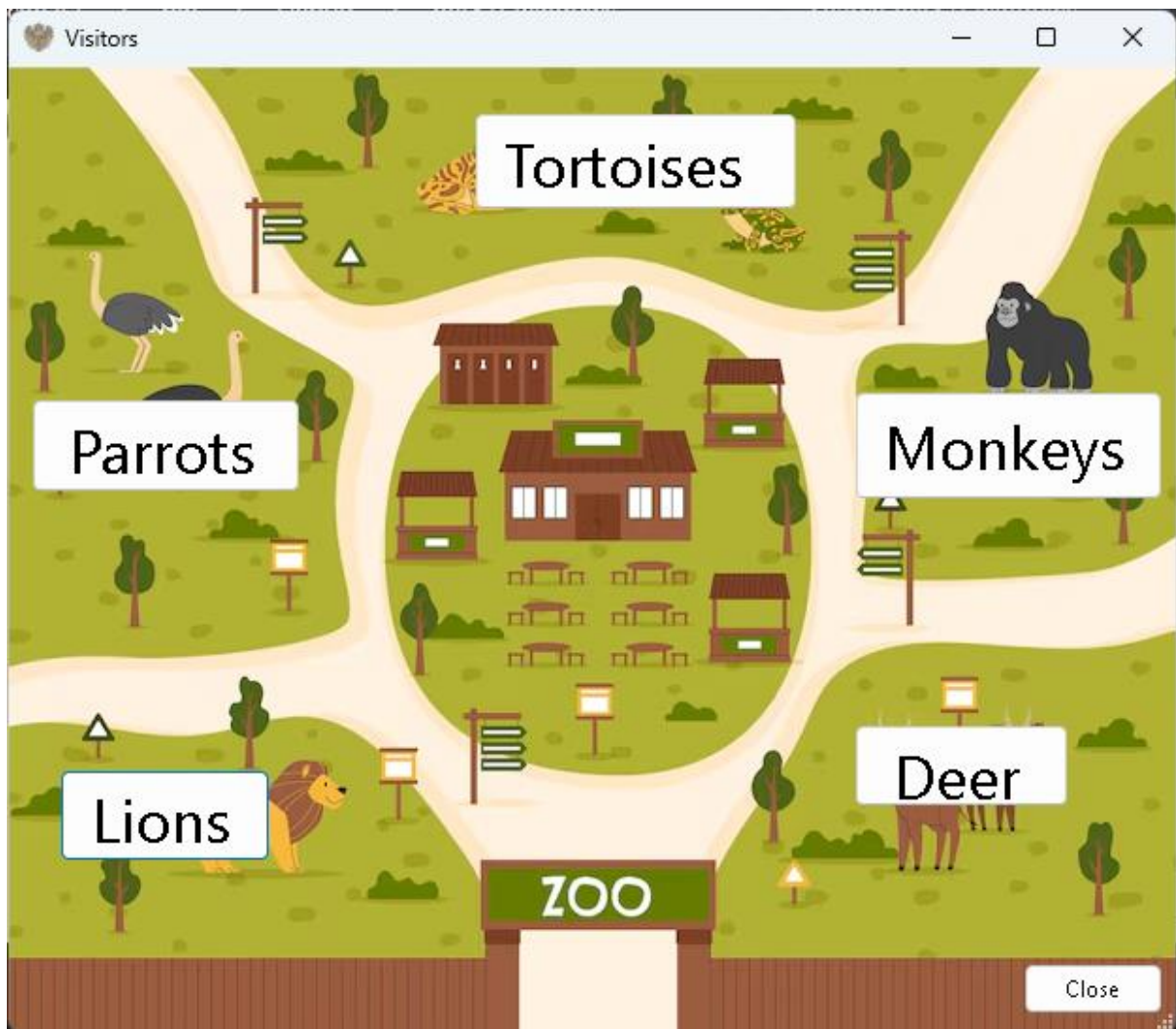
A "Close" button is located in the bottom right corner of the window.

This window will allow you as the zoo manager to see exactly the dietary needs of each animal and how many times and when each animal type needs to be fed.

By clicking on the button specific to each of the animals i.e. (Lions, Parrots, Tortoises) the information table on the right will be populated with the specific information.

This allows you to quickly access each animal to ensure that feeding happens when it is meant to and allows for better feeding management.

Visitors View

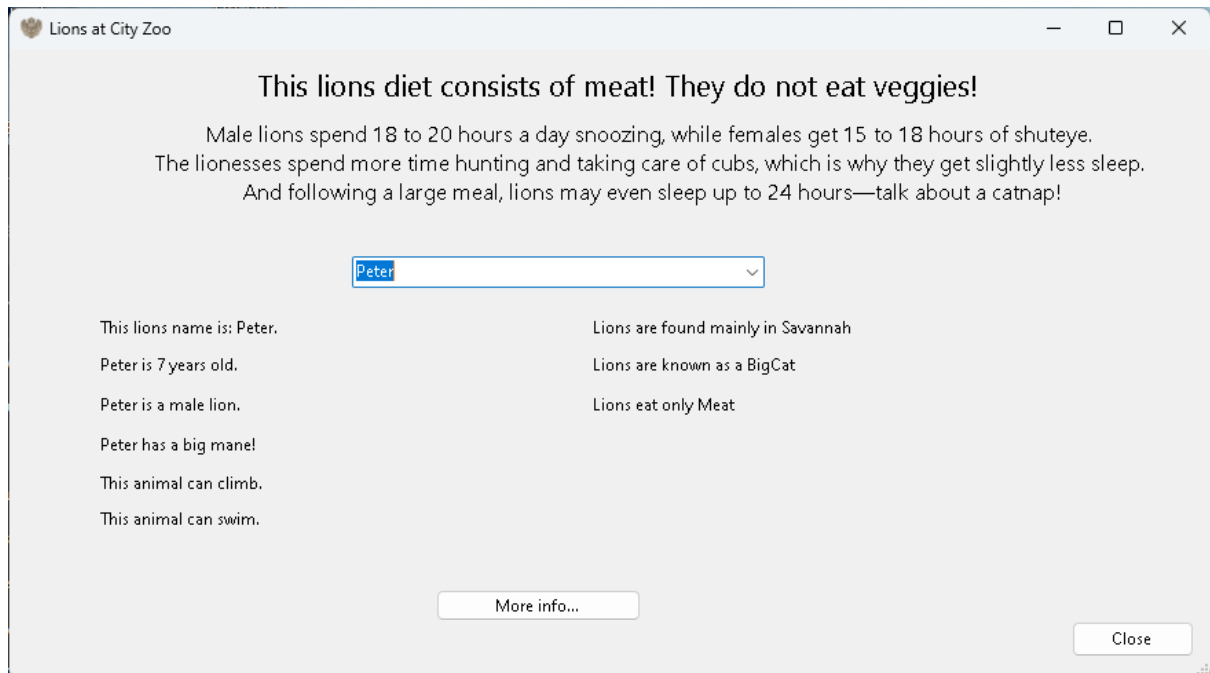


When clicking on the visitors button from the main menu; you will see this window.

This is a map of the entire zoo. You could use this to navigate around the zoo and find the specific animal you are looking for.

When you get to the enclosure you can click on the specific animal's button to learn more about them.

Viewing Lions

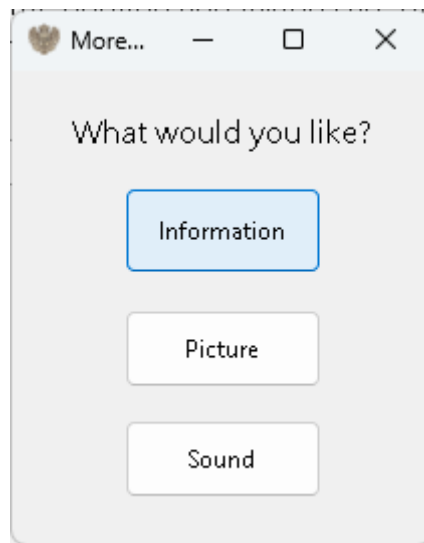


The lion information window opens with a general introduction about lions across two text lines, providing a quick educational tidbit.

For a more focused view, you can select a specific lion from a dropdown menu. This selection triggers a double update: the top lines refresh with details about the chosen lion and interesting facts, while a new section appears below the dropdown displaying information specific to that particular animal.

If you want to dive deeper, a dedicated "More Info" button unlocks additional details. Finally, the "Close" button allows you to return to the zoo layout window.

More information



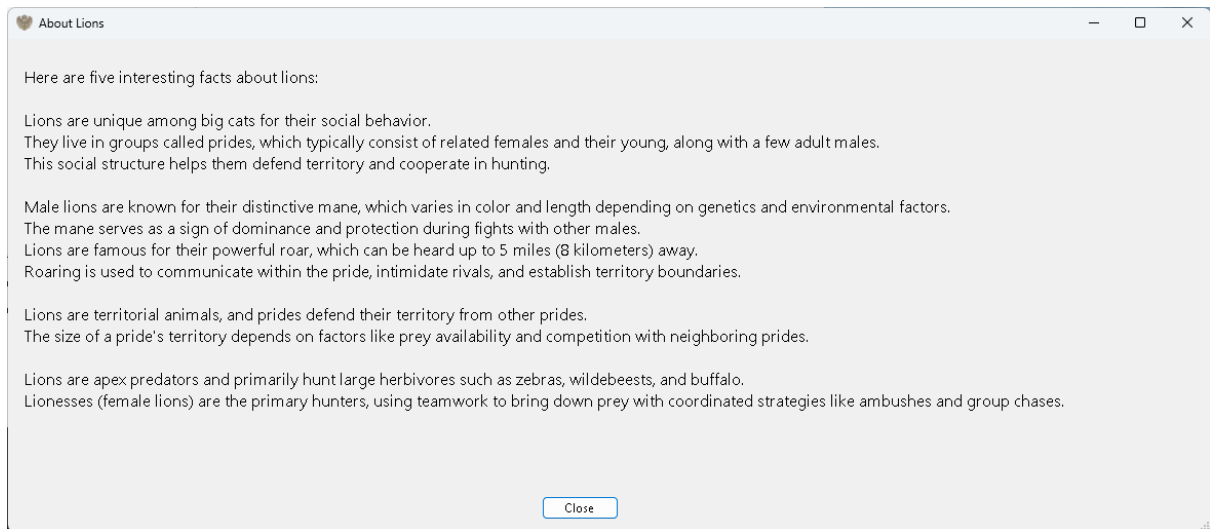
If you chose to dive deeper, this window will appear. Here you have three options.

The “Information” button will open a new window providing you with 5 interesting facts about lions.

The “Picture” button will open a new window showing you a picture of a male and female lion.

The “Sound” button will play a lions roar.

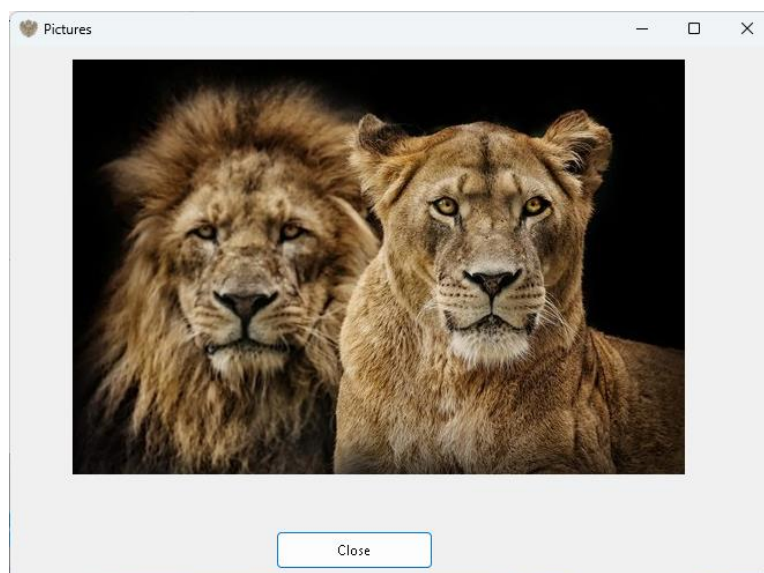
Information Window



This is the window that will appear when you click on the “information” button in the more info window.

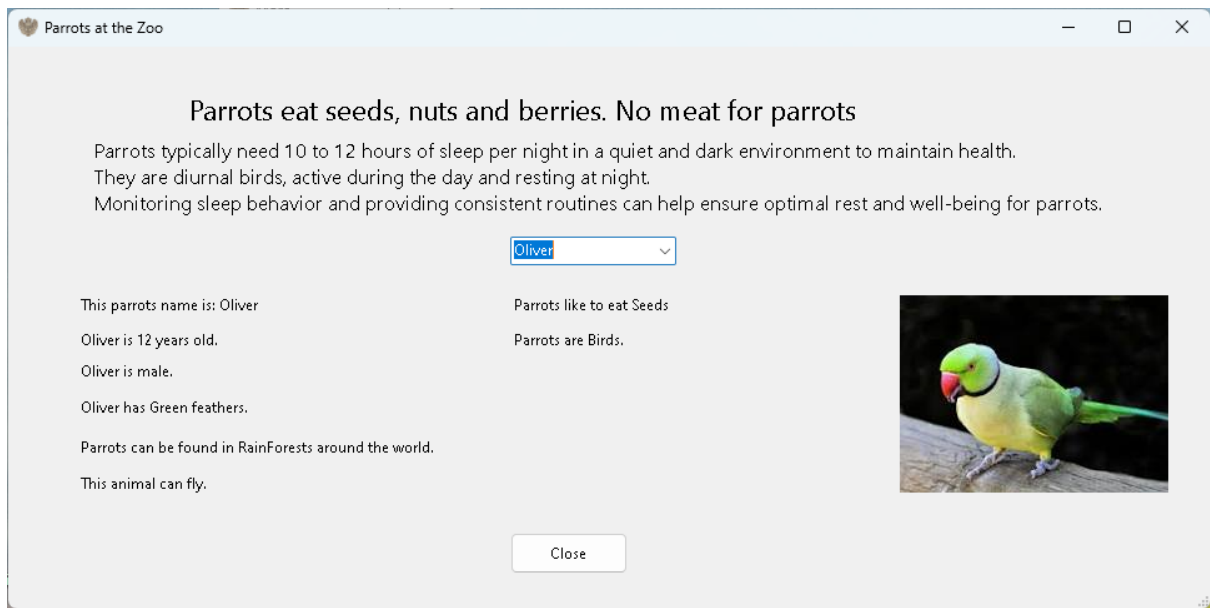
This gives you 5 interesting facts about lions.

Picture Window



This is the window that will appear when you click on the “Picture” button in the more information window.

View Parrots



The view parrots window allows you to see some general information about parrots.

Start by selecting on of the specific parrots from the drop down menu.

Once you have selected a parrot a few things will appear.

Firstly the lines at the top of the window will provide more details information about parrots in general.

Secondly under the drop down menu the information about the specific parrot that you selected will be shown.

A picture is provided of a parrot so that you can see what a parrot looks like.