

1. **Name:** Landon Baxter
2. **Title:** Zoo Management Software
3. **Project Summary:** Text based (CLI) management software for zookeepers and other zoo employees. Users log into the portal and, based on their role, can view information about enclosures, animals and their needs, etc.
4. **Project Requirements**

ID	User story
US-01	As an employee, I want to log in so I can view relevant information to my position at the Zoo.
US-02	As a zookeeper, I want to view information about the enclosures, including feeding info, cleanliness, etc, so that I can better understand the status of the zoo.
US-03	As a zookeeper, I want to view a summary of each species so that I can better understand the animals.
US-04	As a zookeeper, I want to be assigned to an enclosure so that I know where I need to work.
US-05	As a part of the zoo planning staff, I want to view a summary of the animals so that I can make decisions about the enclosures.
US-06	As a part of the zoo planning staff, I want to add enclosures so that guests can visit and see more animals.
US-07	As a part of the zoo planning staff, I want to remove enclosures so that we can make room for others.
US-08	As a part of the zoo planning staff, I want to add animals to enclosures so that they have enough animals.
US-09	As a part of the zoo planning staff, I want to remove animals from enclosures so that enclosures don't get too crowded.
US-10	As a veterinarian, I want to see a list of animals that need assistance so I can treat animals accordingly.
US-11	As a veterinarian, I want to be assigned an animal for caretaking purposes so that I can keep track of what animal I'm taking care of.
US-12	As an employee, I want to log out so that someone else can log in while I'm away.
US-13	As an employee, I want to change my details, including contact information, so I can keep my information up to date.
US-14	As an employee, I want to change my password so that my account is secure.

5. UI Mockup

The software is run from the command line, so there will be no GUIs. However, there will be menus. See below for the CLI menus and displayed information.:

Logging in

Please enter your username: *[user input]*

Please enter your password: *****

Main menu (veterinarian)

Select the desired option.

1. View sick animals
2. View my assigned animal
3. Change employee information
4. Logout

View sick animals

Below is a list of sick animals, sorted by enclosure.

-Enclosure #1

-- Robert (Leopard)

-- Spot (Leopard)

-Enclosure #2

--Jimbo (Monkey)

[returns to main menu]

View my assigned animal

You are currently taking care of Jimbo, a monkey in Enclosure #2.

Main menu (Zookeeper)

Select the desired option.

1. View enclosures
2. View species information
3. View my assigned enclosure
4. Change employee information
5. Logout

View enclosures

Below is a list of enclosures. Select an enclosure to learn more.

1. Enclosure #1
2. Enclosure #2
3. Petting Zoo #1
4. Petting Zoo #2
5. Back to main menu

Viewing an enclosure

==Enclosure #2==

-Animals:

--Jimbo (Monkey)

--Max (Monkey)

--Bob (Gorilla)

-Food type: Ground nuts and fruit

-Cleanliness level: Pristine

-Assigned Zookeeper: Rachel

[returns to main menu]

Viewing species information

Select a species to learn more.

1. Monkey
2. Gorilla
3. Hippo
4. Walrus
5. Polar Bear
6. Back to main menu

[user selects species]

Species: Monkey

Diet: Nuts and fruit

Habitat: Jungle

Description: The monkey is known for climbing trees and having very human-like behavior. They appear friendly but are often dangerous... (and so on)

[returns to main menu]

View my assigned enclosure

You are currently assigned Petting Zoo #2.

[returns to main menu]

Main menu (Zoo planning staff)

Select the desired option.

1. View summary of animals in zoo
2. Add an enclosure
3. Remove an enclosure
4. Edit an existing enclosure
5. Change employee information

6. Logout

Viewing summary of animals in zoo

Currently, the zoo has:

--10 monkeys
--3 gorillas
--2 polar bears
--4 pigs
--1 elephant

in a total of 6 enclosures.

[returns to main menu]

Add an enclosure

Fill out the following information to add an enclosure.

Select an enclosure type (1=Polar, 2=Jungle, 3=Aquatic): *[user input]*

Enter the necessary food type: *[user input]*

Assign a zookeeper (blank if no zookeeper): *[user input]*

Enclosure #3 added to zoo. Animals may now be added.

[returns to main menu]

Remove an enclosure

Select the enclosure you would like to remove.

1. Enclosure #1
2. Enclosure #2
3. Petting Zoo #1
4. Petting Zoo #2
5. Back to main menu

[user selects enclosure]

[selected enclosure] has been removed from the zoo.

[returns to main menu]

Editing an enclosure

Select the enclosure you would like to edit.

1. Enclosure #1
2. Enclosure #2
3. Petting Zoo #1
4. Petting Zoo #2
5. Back to main menu

[user selects enclosure]

Would you like to add or remove animals from Enclosure #1?

1. Add
2. Remove
3. Back to main menu

[user selects option]

Adding an animal

You are adding an animal to Enclosure #1.

Enter the animal's name: *[user input]*

Enter the animal's species: *[user input]*

Enter the animal's age: *[user input]*

Enter the animal's sex: *[user input]*

[animal's name] has been added to Enclosure #1.

[returns to main menu]

Removing an animal

Select the animal that you would like to remove from Enclosure #1.

1. Jimbo (Monkey)
2. Bob (Gorilla)

3. Max (Monkey)
4. Back to main menu

[user selects desired animal]

[animal's name] has been removed from Enclosure #1.

[returns to main menu]

Change employee information (all users)

Select the information you would like to edit.

1. Name: Landon Baxter
2. Address: 123 Main St, Denver, CO 12313
3. Phone: 723-123-1231
4. Email: Landon.baxter@colorado.edu
5. Username: landonbax123
6. Password
7. Back to main menu

Changing information other than password

Enter your new [information type]: *[user input]*
[returns to employee information selection]

Changing password

Verify your current password: *****

Enter your new password: *****

Password changed.

[returns to employee information screen]

6. Class Diagram (Zoom to see details)

