User Manual: Livestock & Co Management System (LCMS)

# Introduction

Welcome to the Livestock & Co Management System (LCMS), an intuitive tool designed for managing your farm's poultry. This user manual will guide you through logging in, navigating the application, and using its various features to manage your poultry and farm data.

# System Requirements

* **Operating System:** Windows, macOS, or Linux
* **Python Version:** 3.x or higher
* **Libraries Required:**
  + customtkinter
  + PIL (Pillow)
  + pandas
  + openpyxl
  + bcrypt
  + tkinter

# Installation

1. Ensure Python 3.x is installed on your system.
2. Install the required libraries by running the following command:

pip install customtkinter pillow pandas openpyxl bcrypt

1. Place the users.csv, logo.png, and chicken\_breeds.xlsx files in the same directory as the script.
2. Run the script.

# Login Process

1. **Open the Application**: Upon launching the application, you will be presented with the login screen.
2. **Enter Credentials**:
   * **Username**: Type in your username.
   * **Password**: Type in your password. If needed, click on the "Show" button to reveal your password.
3. **Login Button**: Click the "Login" button to authenticate. If the username and password are correct, the system will log you in and display the main dashboard.
4. **Error Handling**: If you enter incorrect login credentials, an error message will appear, and you can attempt to login again.

# Main Dashboard

Once logged in successfully, the main dashboard will display the following options in the sidebar:

* **Home**: Navigate back to the home page.
* **Poultry**: View and manage poultry data.
* **Contact Us**: Open your default email client to contact support.
* **Logout**: Log out of the application.
* **Exit**: Close the application.

# Managing Poultry

The **Poultry** section allows you to manage your farm's poultry records. Here’s how you can interact with it:

**1. View Poultry Data**

* The system will display a table showing the current poultry data for your farm, including chicken breed, number of chickens, and when they were added.
* If no poultry data is available, the system will show a message indicating that no poultry data was found.

**2. Add New Chickens**

* Click on the **Add Chicken** button to add new chickens to your farm’s poultry records.
* You will be prompted to select a breed from the available breeds listed in the chicken\_breeds.xlsx file. You can type the breed name or choose from the list.
* After selecting a breed, you will be asked how many chickens of that breed you want to add.
* Once you provide the quantity, the new chickens will be added to the farm's data.

**3. Update Existing Chicken Records**

* Click on the **Update Chicken** button to modify the details of an existing chicken record.
* The system will show you a list of poultry records. You can select the record to update by entering its index (e.g., 0 for the first entry).
* Once selected, you can update details such as breed, number of chickens, or add additional information.

# Error Handling

* If an error occurs during any operation, the system will display an error message with details.
* Common issues may include missing files, incorrect input, or issues with accessing the farm data.

# Contact Support

* If you need help or have any questions, you can click on the **Contact Us** button in the sidebar to open your default email client and send an email to the support team.

# Logging Out

* To log out of the system, click the **Logout** button in the sidebar. This will bring you back to the login screen.

# Exiting the Application

* To exit the application, click on the **Exit** button in the sidebar. This will close the application.