

EGERTON UNIVERSITY



**USER MANUAL DOCUMENT FOR
SMART LIVESTOCK FARMING**

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Table of Contents

1. GENERAL INFORMATION	iii
1.1 System Overview	iii
1.2 Organization of the Manual	iii
2. SYSTEM SUMMARY	1
2.1 System Configuration	1
2.2 User Access Levels	1
3. HUMAN MACHINE INTERFACE.....	1
Overall interface.....	1
4. USING THE SYSTEM	1
4.1 Installation and Logging.....	1
4.2 Post breeds interface.....	3
4.3 Admin interface.....	3
4.4 The buyer interface.....	4
4.5 Share information interface.....	6

1. GENERAL INFORMATION

General Information section explains in general terms the system and the purpose for which it is intended.

1.1 System Overview

Smart livestock farming is a web based application that allows different players in the farming industry to interact and exchange vital information as well as selling and buying of breeds.

1.2 Organization of the Manual

The user's manual consists of five sections: General Information, System Summary, Getting Started, Using The System, and Reporting.

General Information section explains in general terms the system and the purpose for which it is intended.

System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configuration, user access levels and system's behavior in case of any contingencies.

Getting Started section explains how to get Smart Livestock Farming and install it on the device. The section presents briefly system menu.

Using The System section provides a detailed description of system functions.

2. SYSTEM SUMMARY

2.1 System Configuration

The system is a web based system and can be accessed by the users through the internet.

2.2 User Access Levels

The sellers and the admin need login to access the system but the any person willing to purchase any breed can do that without login into the system.

3. HUMAN MACHINE INTERFACE

Overall interface.

The system contains the following tabs.

- Home – this is the home page for the system.
- Breed category – drop down for the categories available in the database.
- Login – Drop down menu for the admin and farmer login.
- Contact – This is where the farmers use to share their information with other farmers.

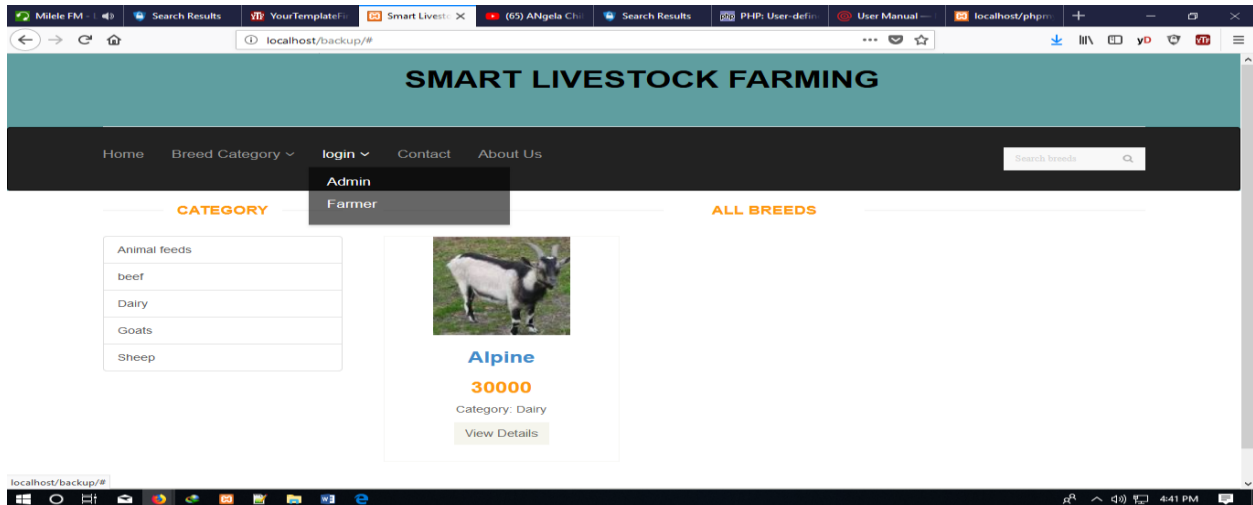
4. USING THE SYSTEM

4.1 Installation and Logging.

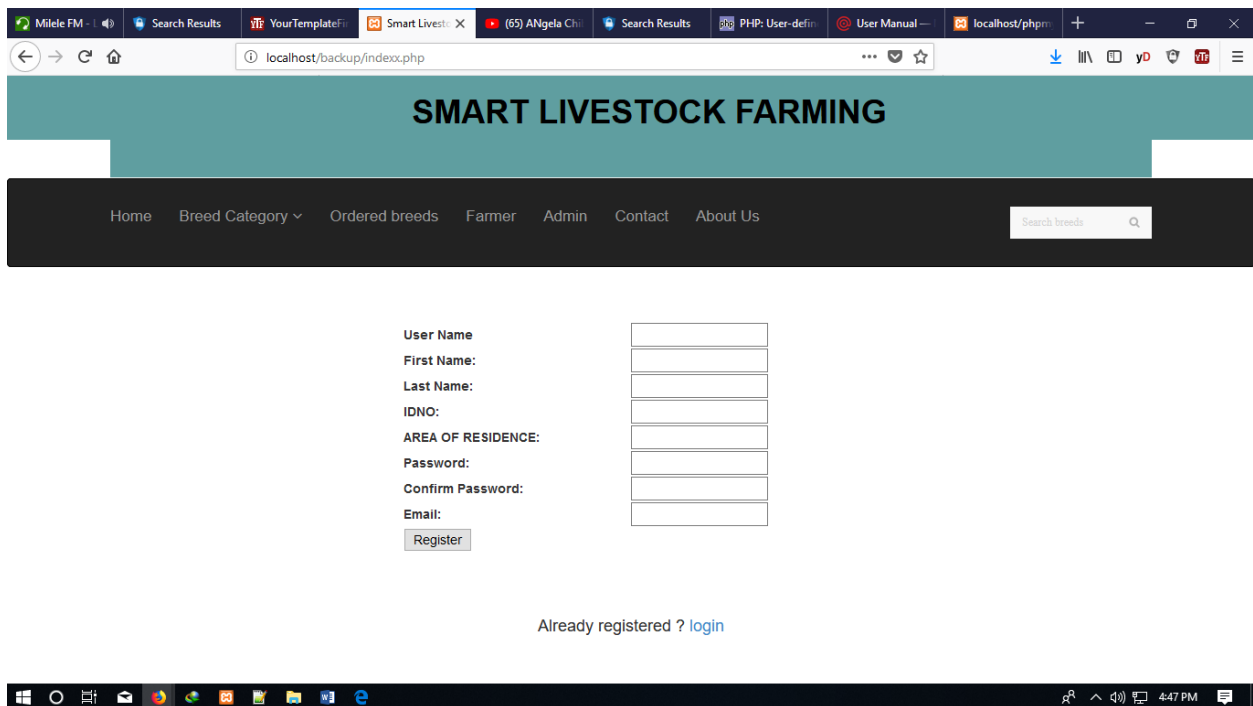
The system is a web based system and can be accessed by the users through the internet.

System login interface

The system has a drop down menu where the users can choose the login options based on their roles either the admin or the farmer(farmer).



The seller has to register if they don't have an account otherwise they can login into the system. Below is the registration interface for the sellers.



4.2 Post breeds interface.

Once a seller has logged into the system s/he can perform two action. Either posting his breeds or viewing information that has been shared by other farmer.

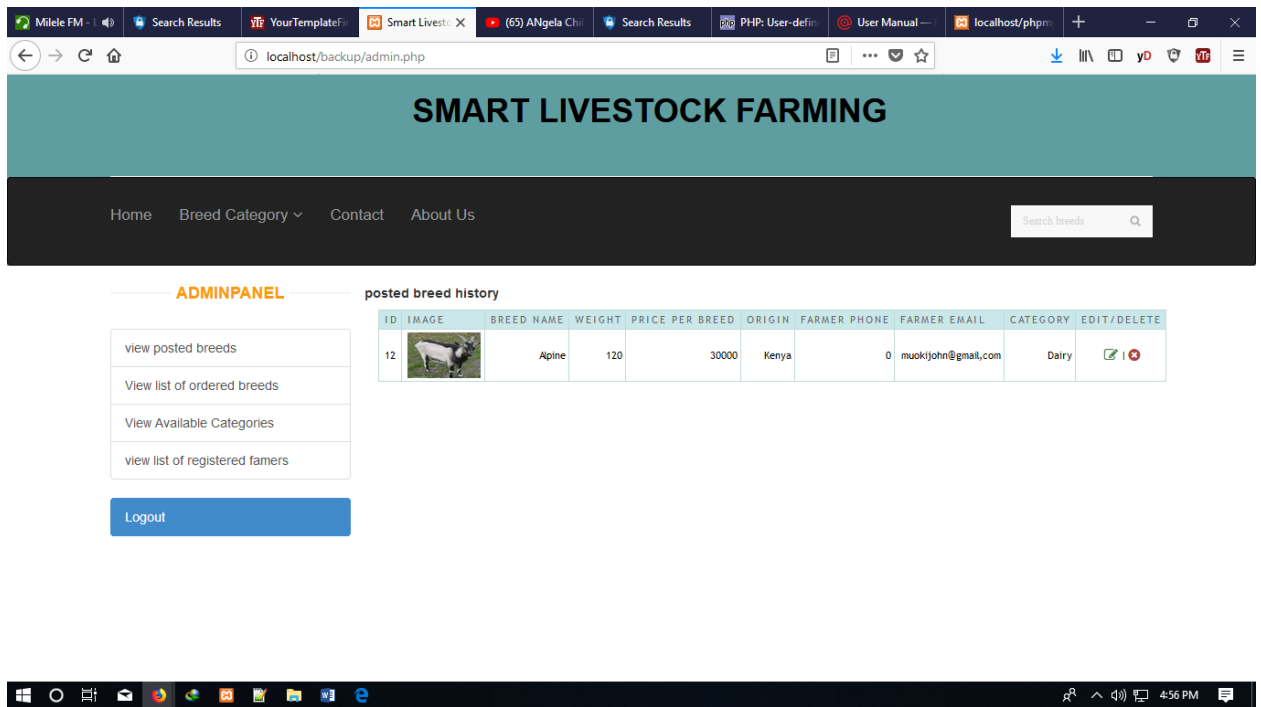
The screenshot displays the 'SMART LIVESTOCK FARMING' web application. The main header is teal with the title 'SMART LIVESTOCK FARMING'. Below it is a dark navigation bar with links: Home, Breed Category, Contact, and About Us. A search bar labeled 'Search breeds' is on the right. The left sidebar, titled 'FARMERSPANEL', contains a 'view shared infor' button and a 'Logout' button. The main content area shows a 'Post your breeds' modal form with the following fields: breed Name, Weight(kg), Price, Origin, Farmer Phone, Farmer Email, Category (a dropdown menu currently showing 'Dairy'), and Image (with a 'Browse...' button and 'No file selected.' text). A 'save' button is at the bottom of the modal. In the background, a table lists breeds with columns: ID, IMAGE, ORIGIN, CATEGORY, FARMER PHONE, and FARMER EMAIL. One row is visible with ID 12, an image of a goat, ORIGIN Kenya, CATEGORY Dairy, FARMER PHONE 0000, and FARMER EMAIL muokijohn@gmail.com. The browser's address bar shows 'localhost/backup/admin2.php'.

4.3 Admin interface.

The admin can perform the following activities once logged into the system.

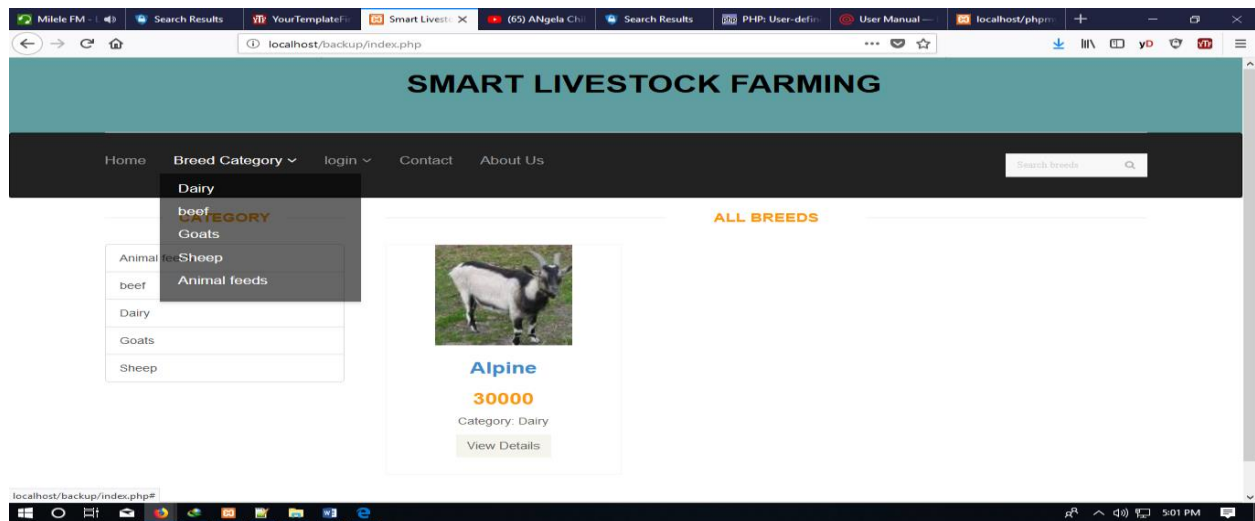
1. View the breeds posted by the sellers.
2. View a list of the ordered breeds by the sellers.
3. View/add/delete/edit the available categories.
4. View a list of the registered farmers into the system.

The admin will click on the options under the adminpanel and information will pop up and become visible to the user.



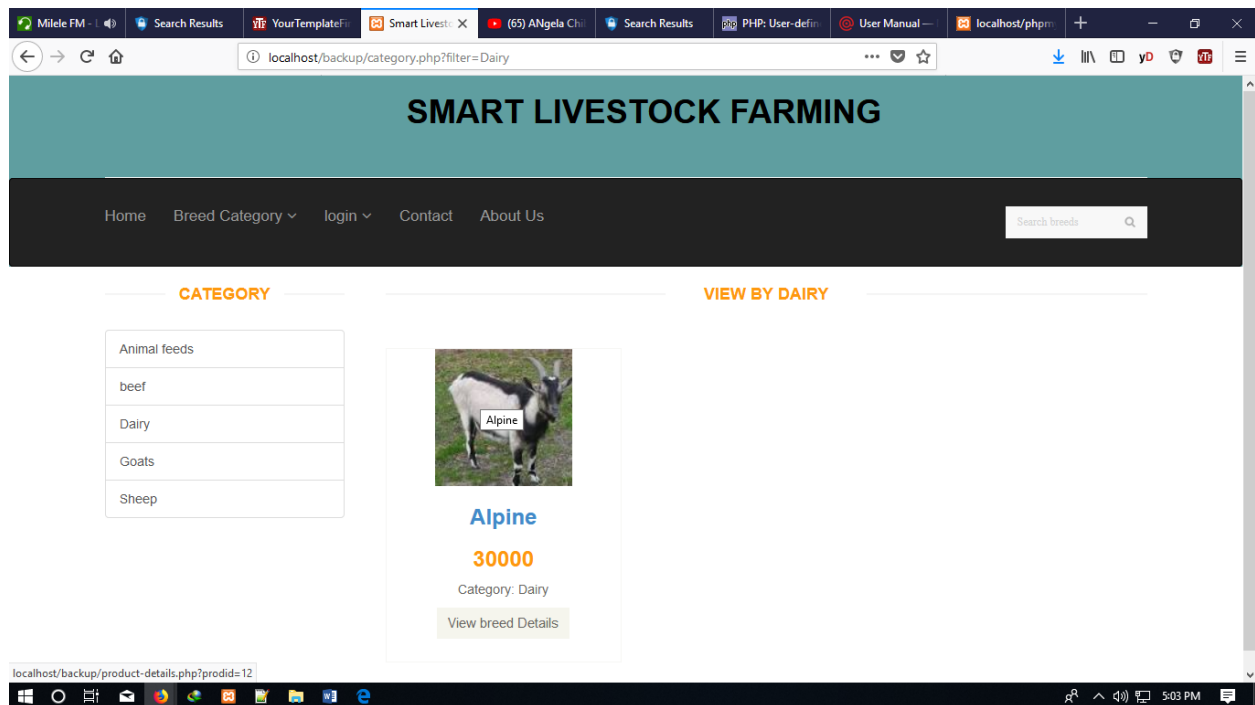
4.4 The buyer interface.

The buyer will be able to choose the category of the breed s/he wants to purchase depending on the provided categories which are visible by hovering the mouse over the breed category tab.

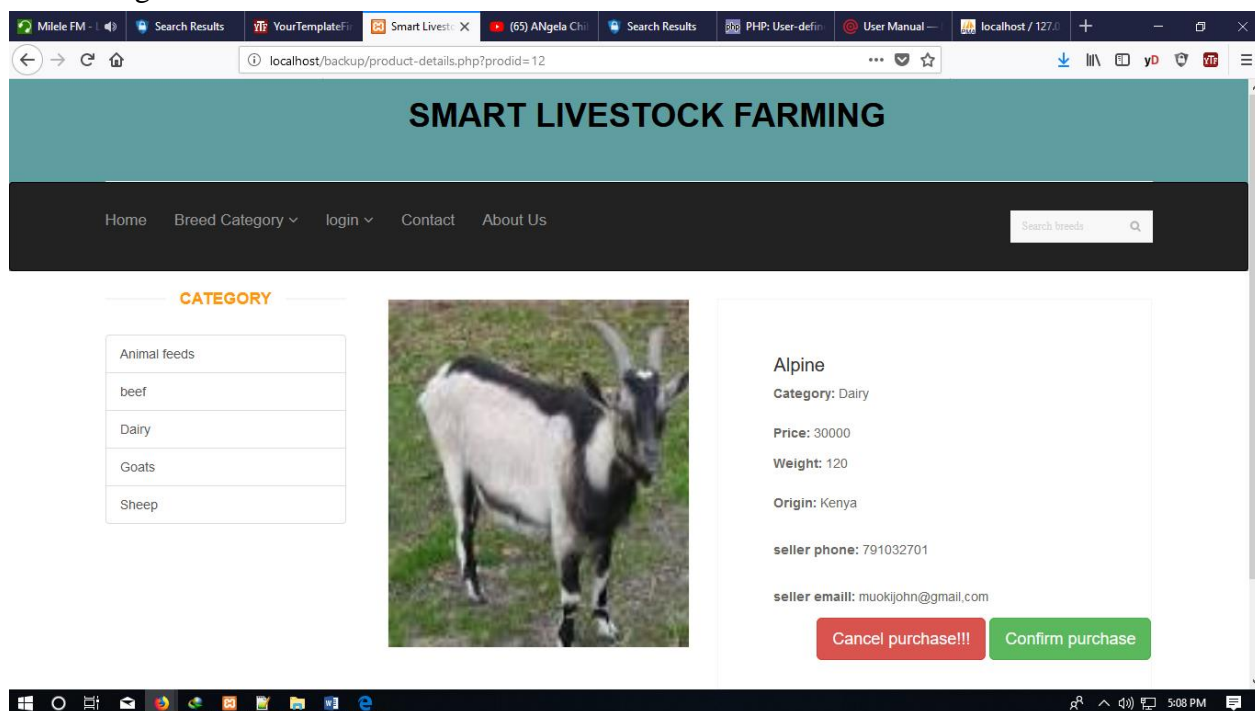


Once the buyer has selected the category of interest breed under that category can be accessed.

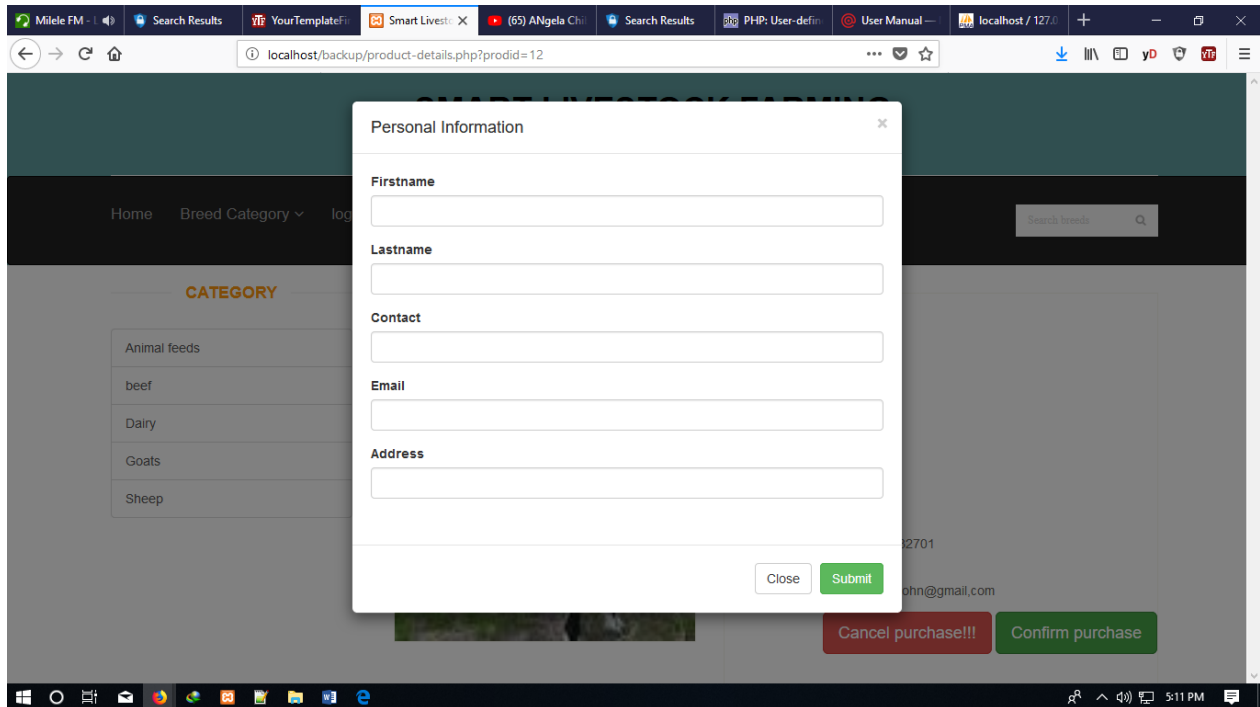
Assuming the category of interest was dairy a window like the one below will appear.



By clicking the view breed details button the buyer will be view extra information concerning the breed.



The buyer can then proceed to purchase by clicking the green button (confirm purchase button) or can use the red button to cancel the purchase. After clicking the green button personal information about the buyer will be requested as shown below.



The screenshot shows a web browser window with the address bar displaying 'localhost/backup/product-details.php?prodid=12'. The page content is partially obscured by a modal form titled 'Personal Information'. The form contains the following fields:

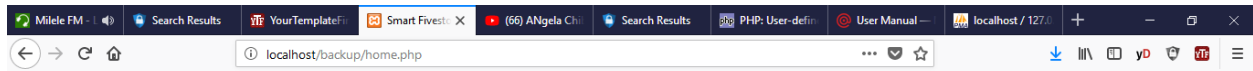
- Firstname:
- Lastname:
- Contact:
- Email:
- Address:

At the bottom right of the modal are two buttons: 'Close' and 'Submit'. In the background, a sidebar lists categories: 'Animal feeds', 'beef', 'Dairy', 'Goats', and 'Sheep'. The main content area shows a product image and two buttons: 'Cancel purchase!!!' (red) and 'Confirm purchase' (green).

4.5 Share information interface.

This section proves an interface where the farmers can share information with other farmers through the system. The interface will look like the one below.

The user is required to enter his name, email address and the phone number after which he will write the message on the message area.



Share info with other Farmers

Your Name

Your Email Address

Phone Number

Message to share

write here

[Go to home page](#)

