Technical Report

For

Poultry Market and Order Management Web Application>

Prepared by

Group Name: G11CSE

16/U/4592/EVE	216017436	CHEKWECH EMMANUEL
16/U/5793/EVE	216010971	KAYIIRA TREVOR DUANE
16/U/8432/EVE	216018397	NAKABIRI VERON
16/U/11424/EVE	216010943	SENTEZA BRIAN

Mentor: EARNEST MWEBAZE

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Contents

Abstract

The document discusses a web application which enables the local/small scale farmers to market their products online and also manage the orders online.
The document begins with the introduction followed by the user challenges, followed by the objectives and functionality of the system. We then assess the limitations of the application.

1 Introduction

This document describes a web app that will be used by local farmers in order to bring to market their product without involving a middleman, and also manage the orders placed by the customers.

1.1 User Challenge

Poultry farming is one of the income earning activity for many people. However most of the times the production and marketing of the products has been ignored for quite a number of times. Most times a farmer keeps poultry until a designated period of time, after the due day, a farmer will then decide on how to bring to market products (Chicken).
This is when the farmer starts looking for the middlemen because these people are well informed about the market, they know the market more than the farmers and these make contact with the customers who might need the chicken. This leaves the farmer behind and there is a distance between the farmer and the customer.
Though middlemen know the market, they also have disadvantages , for example most times they grieve prices for the customers and yet they are also asking for pay the farmers (commission).

1.2 Project Goals

This project is based on designing a web app that will enable small poultry farmers to bring their produce to the market online as early as possible and improve interactions with the customers.
The purpose of this web application is to enable farmers to mainly eliminate middlemen in small scale poultry farming production/marketing, with this application, a farmer is able to advertise what is available for sale at his farm and here a customer can know and contact the farmer in the case where he is interested in the product.

1.3 Definitions, Acronyms and Abbreviations

Acronym	Definition

App	Application
ICT	Information Communication Technology

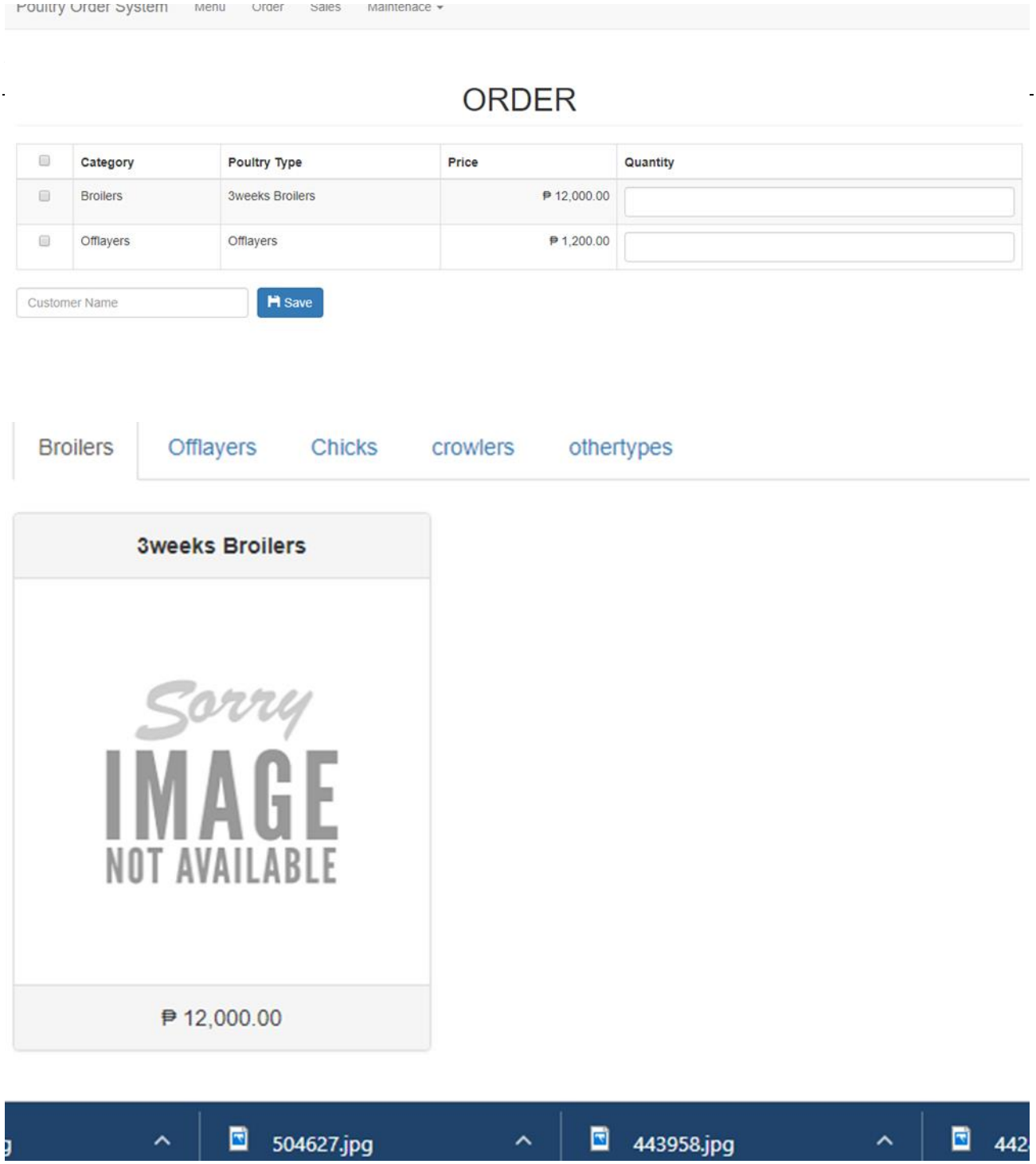
2 Project Results

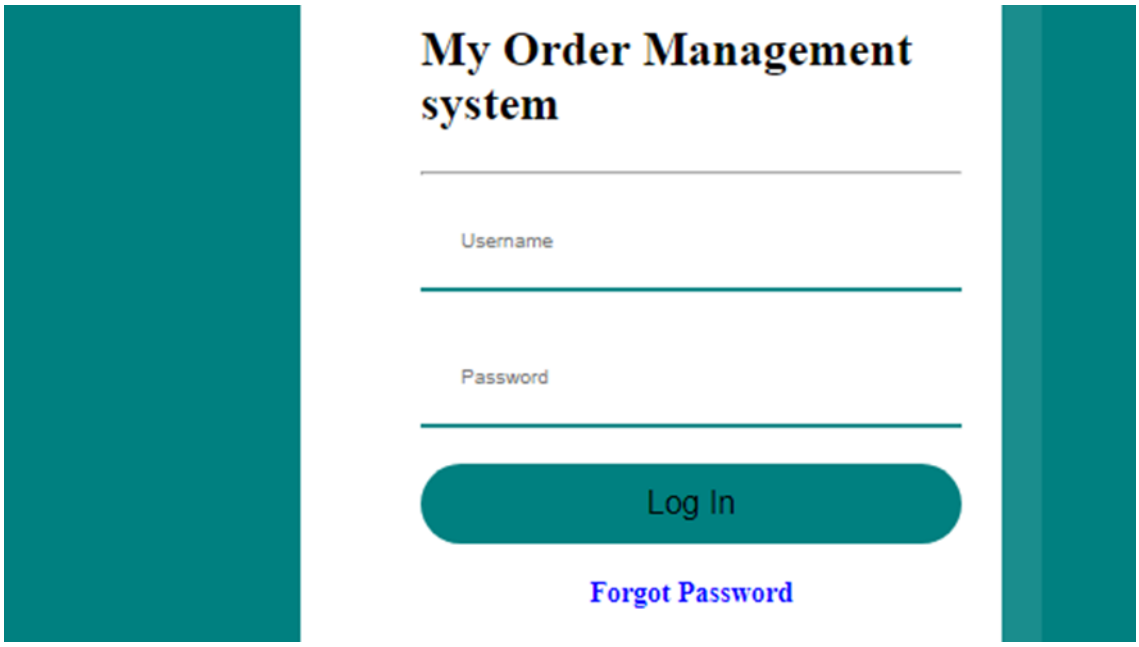
2.1 Product Design

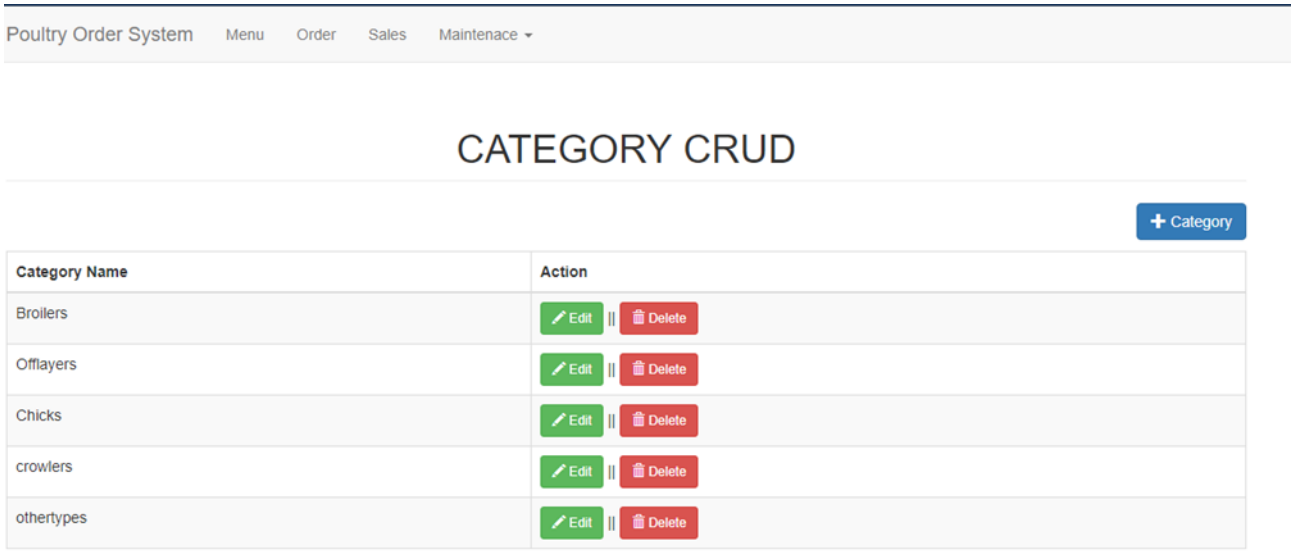
The poultry market and order management web application consists and a web interface and a configuration to SMS delivery
The web interface enables the customer /users to see the available items on sale, navigate through to check whether this will fulfill their desires and make orders if pleased with what is available.
The SMS configuration enables sending a text message to the farmer in case an order has been placed. However to do SMS, one needs to buy the tool (pay for the SMS API) that enables you to send messages.

2.2 Product Functionality and Screenshots

With the web app, the customer can make orders without login into the system, and on submitting the order, the farmer receives a text message with some of the fields like the deliver address, type, phone number, quantity and so on.
The farmer then calls back to confirm order, he then logins to manage the orders.
Below are some of the screen shots representing the functionality of the poultry Market and Order Management web application.


Poultry Order System
Menu
Order
Sales
Maintenace
ORDER
Category
Poultry Type
Price
Quantity
Broilers
3weeks Broilers
₱ 12,000.00
Offlayers
Offlayers
₱ 1,200.00
Customer Name
Save
Broilers
Offlayers
Chicks
crowlers
othertypes
3weeks Broilers
Sorry
IMAGE
NOT AVAILABLE
₱ 12,000.00
504627.jpg
443958.jpg


My Order Management system
Username
Password
Log In
Forgot Password


Poultry Order System
Menu
Order
Sales
Maintenace
CATEGORY CRUD
+ Category
Category Name
Action
Broilers
Edit
Delete
Offlayers
Edit
Delete
Chicks
Edit
Delete
crowlers
Edit
Delete
othertypes
Edit
Delete

The Poultry order System

Poultry delivery and Orders. All types of Poultry products

Customer Order Form

Please complete the following form to make your order

Login hereAdmin/farmer

Customer Details

Your Name

phoneNumber

Delivery Details

DeliverTo(Name)

Recievers Number

Delivery Street Address

Main Address

Date

Order Details

Eggs

Quantity

Submit Order

Submit

3 Limitations and Next Steps

3.1 Limitations

The web application cannot worlk offline, both the customer and the farmer should have internet connection in order to access or make use of the services.
Also a poultry farmer must be willing to invest more into ICT in order for to improve the functionality of the app for example being able to convey SMS to the poultry farmer's phone.

3.2 Next Steps

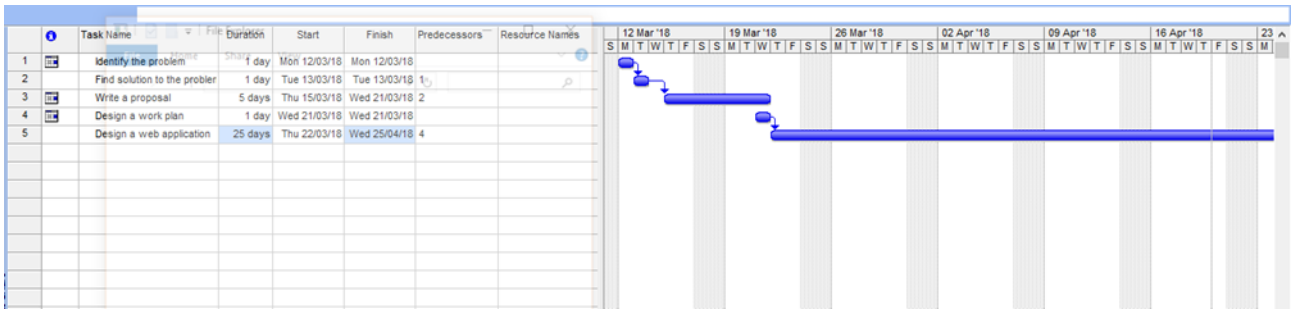
Buying a tool that enables us to send SMS to the farmer and integrating it with our web app
Marketing the application to the different small scale/ local poultry farmers

References

http://www.monitor.co.ug/Magazines/Farming/Middleman-link-eliminate-value-chain/

4 Appendix A – Project Work plan

The different activities are built in a Gantt chart showing how the different activities were carried out by group 11



	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	Identify the problem	1 day	Mon 12/03/18	Mon 12/03/18		
2	Find solution to the probler	1 day	Tue 13/03/18	Tue 13/03/18	1	
3	Write a proposal	5 days	Thu 15/03/18	Wed 21/03/18	2	
4	Design a work plan	1 day	Wed 21/03/18	Wed 21/03/18		
5	Design a web application	25 days	Thu 22/03/18	Wed 25/04/18	4	

Appendix B – Contribution by Team Members

No.	Team Member	Contribution
1.	CHEKWECH EMMANUEL	Data collection Web application designing
2.	KAYIIRA TREVOR DUANE	Data collection Web application designing
3	NAKABIRI VERON	Data collection Web application designing
4	SENTEZA BRIAN	Data collection Web application designing.