**EGERTONUNIVERSITY**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**PROJECT ABSTRACT FOR**

**AN ONLINE AGRIBUSINESS SYSTEM**

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# Introduction

Agriculture is a vital sector of the economy of Kenya and the entire world. It serves the purpose of providing food, fuel and other resources for the people. However, agricultural industry is often faced with challenges such as inefficient supply chains, difficulty in accessing ready markets and lack of access to vital information and the modern technology.

In order to address some of these challenges, I decided to sit down and develop a web-based application system for agribusiness. The system aims to improve the efficiency and profitability of agriculture by providing a platform for agribusiness to connect local farmer who are the sellers, buyers and other industry stakeholders.

This web based application system will provide significant benefits to agribusinesses and ultimately leading to increase efficiency and profitability in the agricultural sector.

The system features a range of tools and features designed to support the needs of agribusiness, including.

* A marketplace for buying and selling agricultural products and services.
* A well defined supply chain management for agricultural products and services.
* Aims to boost agricultural and rural development by improving access to valuable information that can help agricultural stakeholders to make the best possible decisions and use resources available in the most productive and sustainable manner.
* Extinguish the middle man (brokers) who exploit farmers and benefit from the supply chain.

# To develop the web based application system, I will follow the following steps:

1. Conduct a market research to identify the needs and preferences of agribusiness from the potential farmers and customers who are retailers.
2. Design the user interface and features of the application.
3. Develop the application using web-based technologies such as HTML,CSS AND PHP.
4. Test and debug the application to ensure it is user-friendly and reliable.
5. Launch the application and promote it to the agribusiness and industry stakeholders

## OBJECTIVES

## GENERAL OBJECTIVES

* To improve and increase the services provided to job seekers through better applications of technology and increase on the user interface and experience.
* To enable the employing company to stand out from all other competitors in the market and popularity to attract more job seekers in the industry.

## SPECIAL OBJECTIVES

* To save on time and increase the efficiency of the farmers and buyers to ensure they don’t get tired easily.
* To enable customers to track the products available in the company.
* To enable customers to have visual confirmation of the type of products available and if the products are ready for shipment .
* Eliminates use for cash money and increases the level of accuracy in finance management.
* Improve efficiency and profitability through access to a wider range of buyers and sellers.
* Increase visibility and exposure to potential customers.
* Greater access to information and resources related to the agriculture industry.
* customers can track the peak season of some produce from the farms

### 2.1.3 JUSTIFICATION

* To reduce time wastage by eliminating long queues in the market place to serve customers.
* The system will be user friendly and provide a high efficiency in the ordering of farm produce processes.
* To increase customers satisfaction by speeding up the order placing process.

### 2.1.4 PROJECT SCOPE

Main aim of the project is to ensure simplicity and improve the efficiency of the selling and purchasing and selling product process for both the sellers(farmers) and customers by minimizing the manual way of going to the market place by ensuring accuracy. The ordering system will be a web-based application whose main language of programming will be Php, HTML and CSS. customers will have the ability to view available farm produce and the HR to manage the new farm produce available.