# Farming Stock Trading Android Application

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*Abstract— Farmer Trader Application is an android application developed for farmers/seller's and retailers. This application gives support to the village farmers who want to use this facility and who want to learn how it is possible and how they can use e-farming to sell their products. If the farmers have knowledge of computer then they can directly register in the application and sell their product otherwise, they can contact company's computer professional who will schedule classes to teach them basics of computers and internet. They can know how they can open this site, register with it, and sell their products online etc. Farmer Trader Application is a project developed, which will help farmers from to sell their products to different cities through online. Farmers can use this facility and can learn how it is possible and how they can use e-farming to sell their products. This application will act as unique and secure way to perform agro-marketing.*

**Index Term —** *Former Information System (FIS).*

## I. INTRODUCTION

Farming Stock Trading Application is an android application. As we know farming is a prime occupation in India, but as a trend all things are getting in mobiles and most of the peoples are getting there required information in phones, learning and updating them self. But in case of farmers this is not happening up to 100% compared to other fields, keeping this gap we are proposing new application. This application allows farmers to sell their stock directly as a direct supplier throughout the country without any middlemen. So the farmers can earns optimum rates for his stock and also the customers get it at lowest cost. This will also eliminate the need to store the goods in he go downs and later be sold for which large infrastructure is needed. If the farmers have knowledge of computer then they can directly register into the application and sell their product or else, they can contact professional who will help the farmers to teach them basics of computers.

## II. SYSTEM ARCHITECTURE

### A. Block Diagram



There are 4 modules in this Application:
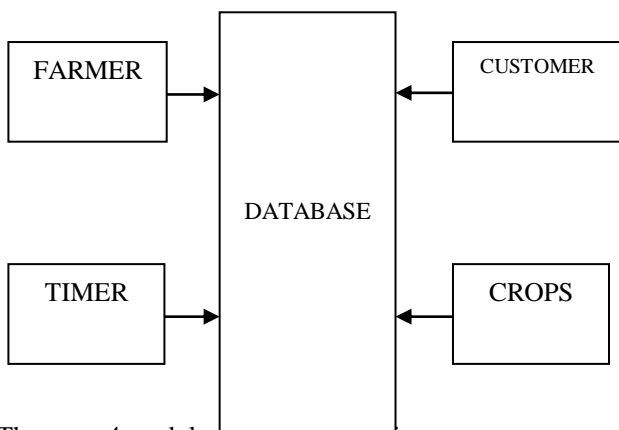
1. Farmer
2. Customer
3. Timer
4. Crops
5. Database

### B. Dataflow Diagram of the system.

To use this Application Farmer has to register into the application and login to the account this authentication is all saved in the database. Customer also needs to register to the application in order to use it, and then login to the account to use the applications. Customer and Farmer both can view the categories available. Farmer can add new crops in the particular category and the customer can bid for a crop in particular category. A Customer can give his feedback online which can be later viewed by the farmer. Both Farmer and Customer can update their profile which will in turn reflect on the database. All the bidding is controlled by the timer i.e. adding the crop or bidding for the crop.
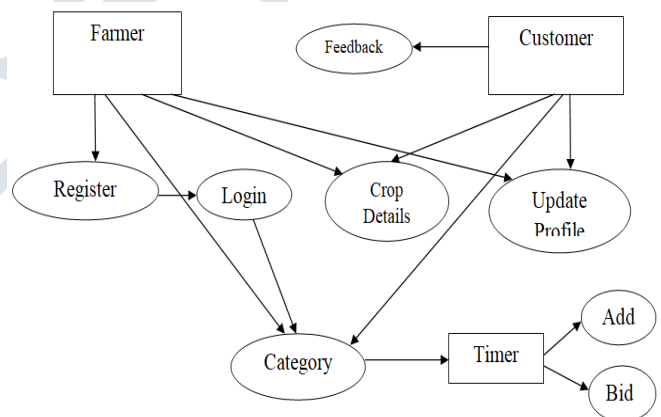
## III. SUB-SYSTEM MODULES

### A. Farmer Module
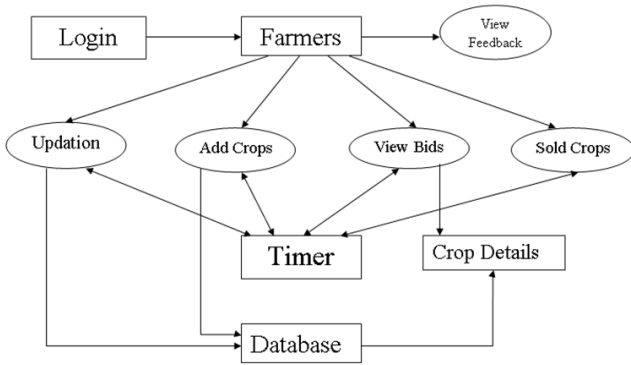


Once the Farmer register and login he can perform various actions such as updating, adding crops, viewing bids and also view the sold crops all this is handled by the timer. The details of the farmer related information is stored in the database which stores the crop details as well. In update the farmer can update his profile upload his picture. In add crops farmer can add a new crop by setting the minimum amount to start the bid and the quantity of the crop will be mentioned by farmer itself.

View bids section where the farmer can have a look at the bids which under the auction and for the crops which customer has shown his interest by bidding. The sold crops are displayed in the sold crop module where the details of the crop for which customer it is been sold and to what is the highest bid that took place.

### B. Customer Module
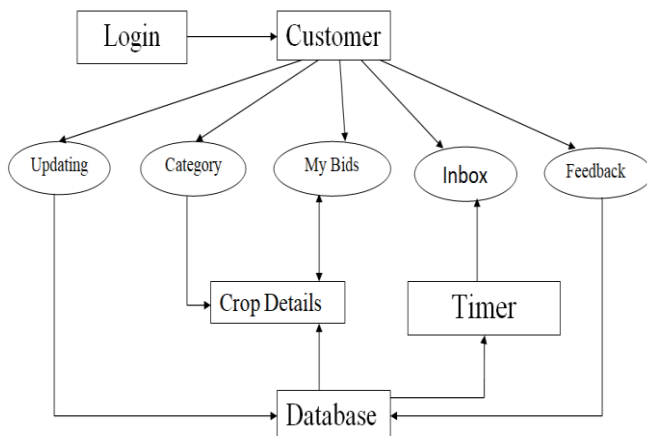


In customer Module we have provided the customer with lot of option to make the work easier. The control flows as follows; the customer first logs in through the account he got registered, there is something that we need to consider, if the user has registered as a farmer he cannot login as a customer; if the user has registered as a customer he cannot login as a farmer. The customer can update his/her profile at times, can have a sight on the available categories and also view the biddings going on for any crop as well as the bidding which he has undergone through. If for any of the crop a specific customer has bid for the highest amount then the crop is all his and this will be notified to the customer by dropping a notification in the inbox. Besides all of these the customer based on his experience with crop can give suggestions and feedback on the crops he has purchased which can help the

farmer to improve the quality of the crop. Category and my bids are saved in crop details section which has an access to database. There is an ongoing timer which controls the notifications to be sent to the customer on terminating the auction. The feedback is also sent stored in the database.

## IV. PROBLEMS AND THEIR SOLUTIONS

### A. Existing System

As we all know that farming is a prime occupation in India, but the current trends all the things are getting online and most of the peoples are getting there required information online and learning and updating them self. But in case of farmers this is not happening up to 100% compared to other fields, keeping this gap we are proposing new application, FIS (Former Information System) using cloud computing. In the present state buying and selling a product is done manually. Price of the product is fixed by the seller. All the details of the product to be sold or purchased are maintained manually. Sellers or buyers are not able to get the complete information about the product.

### B. Proposed System

This application converts whole offline manual system to online. Seller or Farmer can sell their product online with ease. Farmer/Seller will get the exact price from the buyer, which leads to good profit. Retailer will get all the products at one place and can purchase a product of their choice. Eradicates the unethical practice performed by the middle man. This system reduces the search time to a great extent. The system allows placing order for more than one item. There is no transportation issue as well.

## V. SCOPE OF THE APPLICATION

### A. Why Is the Particular Topic Chosen?

As we know forming is a prime occupancy in India, and Now a day's most of the peoples those are from forming family they are not showing interest on forming, because there is no development at this area. We want to contribute something so that it will become help full and make changes in forming area and we are sure this solution will be more use full to the formers.

### B. Objectives

Our Main Objective of the project is to providing better online information to formers regarding the new Crops, How to change their current cropping techniques to increase the revenue. Before selecting this topic we searched in all search engine with different keys regarding former information and corp. details, and regarding guidance and solutions on the problems they are facing but we couldn't got munch of information that is usefully and relevant to their queries, as we know formers are not munch educated and they are not getting the information in one click, keeping all these things we are going to develop this system.

*C. Methodology*

Developing a user friendly agricultural Information System for the worldwide web which fulfil the Agriculture Interested People's requirements. Provide all the information for the Research Institutes, Buyers, Planters and Investors. The main idea of the designed system is to provide better information to farmers; we are designing a system using cloud with videos, Images and information so that anyone can understand easily.

## VI. BENEFITS TO THE SOCIETY

1. This application converts whole offline manual system to online.
2. Seller or Farmer can sell their product online with ease.
3. Farmer/Seller will get the exact price from the buyer, which leads to good profit.
4. Retailer will get all the products at one place and can purchase a product of their choice.
5. This system reduces the search time to a great extent.
6. The system allows placing order for more than one item.
7. Eradicates the unethical practice performed by the middle man.
8. Need not carry crops from place to place in search of the customers.
9. Since the crop is grown according to the demand there is no surplus of crops grown.
10. There is no commission Agent.
11. Customer can share their suggestions and tips to improve the quality of the crop.
12. Marketing is done by the application since the crops are displayed to customer for auction.

## CONCLUSION

According to this proposed system, the application will support the farmers who want to sell their products at highest cost. Using this application farmer can make better decisions about where to sell their grains. They can also know how they can open this site, register, and sell their products to consumers. This system helps farmers to know the feedback about their crops and implement it in a better way. This app is developed to enhance the marketing skills of the farmer and give him a platform to sell his goods. Further we can implement a means where farmer also buy seeds and the also useful stuff for farming.

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