Farmer Crop Auction

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ABSTRACT

The goal of the farmer Crop Auction System is to assist farmers by presenting them with a variety of agricultural information. Farm management systems assist farmers in providing the finest farming methods. It allows farmers to sell their produce via the internet. Subsequently, they will approach a bigger market and will be less dependent on the nearby market. Wholesalers and retailers will be able to grow their operations as a result of this. Farmers have been facing issues while selling their food Crops in market Through this application farmers has to set their own price to their products and allow buyers for auction. Farmers can set the bid amount based on quality ,life time and current market price of the product. This provides an interface for both farmers and buyers to communicate each other.

Keywords : Crop Auction System, Finest Farming

I.   INTRODUCTION

The goal of the farm management system is to assist farmers by presenting them with a variety of agricultural information. Farm management systems assist farmers in providing the finest farming methods. It allows farmers to sell their produce via the internet. Subsequently, they will approach a bigger market and will be less dependent on the nearby market. Wholesalers and retailers Wholesalers and retailers will be able to grow their operations as a result of this.

To create a website for an agricultural management system that allows farmers to sell their goods over the internet. Subsequently, they will approach a bigger market and will be less dependent on the neighborhood market. Wholesalers and retailers might grow their operations as a result of this. It offers a wide range of agricultural data.

1.2 Existing System:

Prior to the implementation of this system, farmers faced several issues as a result of a lack of market pricing knowledge. Also, they are unable to offer their

items at a reasonable price and profit. They used to limit themselves to the local market as well.

II. Literature Survey

[1] Chirag Namdeo Mande, [2]Sneha Sankhe ,[3]Nitesh Uday Talekar, [4]Vaibhav Vishwas Neman

Around many years, farmers in the India have had a little freedom in choosing markets and buyers for their product. All states in the country, mandate that marketing and selling of the farm product must be routed through state owned man is, retail markets where middlemen will not occur so farmers can increase margins. Agricultural Marketing in India has evolved from being restricted to catering to local demand by having market yards within the range of farm stone which now aim to have an interconnectivity between the markets of the other States to have a value dispersion between farms and the consumers. Many changes in the field of agriculture marketing of the country which is electronic market, Online warehousing, loans, contract farming and many more, are growing opportunities for new formats of market which are effective in responding to demand and supply. These changes will require investment in infrastructure, technology and building awareness and capacity building. This system also contains a very interactive Chat Bot. Which provides general queries for users such as any product related query or shipment tracking. This website also includes weather broadcast feature for everyone to see live weather updates.

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Farmers had been having problems selling their food products in the market because of middlemen who profited by buying at a cheap price from farmers and then selling the same at a higher price to customers. Farmers may establish their own prices for their products using an e-application, and purchasers can participate in an e-auction. Before participating in an e- auction, farmers can determine the beginning bid value depending on the product's quality, lifespan, and current market price. Buyers can use a GPS navigation system to locate merchants in their area. Choices are locked after the bidding period has expired and the matching buyer and seller have been notified via SMS. Farmers may use the interface as a Decision Support System (DSS) to post their questions and receive assistance from agriculture experts.

2.2 Modules of this project:

Administrator module: Clients, dealers, and managers can sign in to the framework utilizing their login id and secret phrase in this module. Subsequent to signing in, the framework shows the principal account page.

Customer module:

The shopper can make a record on the site by finishing up their own data. The purchaser can purchase things that the manager has posted. They can likewise send buy demands for ranch produce that Ranchers have posted. The buyer can support or reject the buy demand after the quality test and evaluating statement.

Seller module:

Ranchers are the merchants, and they might sell their products on the web. The framework will show agricultural products on the website's main page.
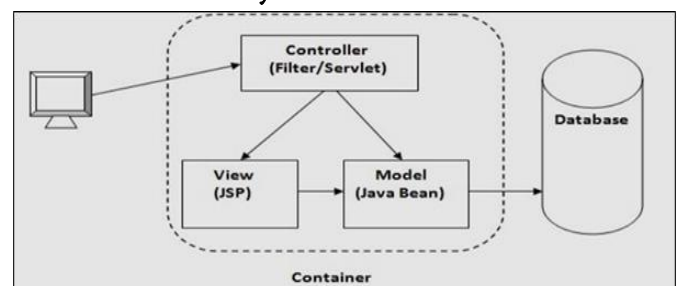
III. System Architecture

Figure 1 : Project architecture

IV. METHODOLOGY

The spiral model combines the thought of unvarying development with the systematic, controlled aspects of the water model. This Spiral model may be a combination of unvarying development method model and ordered linear development model i.e. the water model with a really high stress on risk analysis. It permits progressive releases of the merchandise or progressive refinement through every iteration round the spiral.

· Spiral Model - style

· The spiral model has four phases. A software package project repeatedly passes through these phases in iterations known as Spirals.

· Identification

· This section starts with gathering the business necessities within the baseline spiral. within the ensuant spirals because the product matures, identification of system necessities, scheme necessities and unit necessities square measure all tired this section.

· This section additionally includes understanding the system necessities by continuous communication between the client and also the system analyst. At the tip of the spiral, the merchandise is deployed within the known market

· Design

· The style section starts with the abstract style within the baseline spiral and involves beaux arts style, logical style of modules, physical product style and also the final style within the ensuant spirals.

· Construct or Build

· The Construct section refers to production of the particular software package at each spiral. within the baseline spiral, once the merchandise is simply thought

V. RESULTS AND ANALYSIS

The proposed system is a software application that satisfies all of a farmer's demands and provides answers to them. We offer several parts, such as login, for farmers to utilize at their leisure. They may directly know the pricing of the things using this application. They may easily add product information and sell them for a higher price. This allows them to expand beyond the local market.

 The figure mentioned below is the Home Page of our application where it shows two options register and login.If you are a new user then go for regesitering , and if you are already a registered user then directly you can login with your Credentials.

Figure 2 : Home Page

 The below mentioned figure is about regeistration. We have enter all the details that are required and select the User type i.e wheather you are farmer or buyer. After entering all the details successfully the registration process will be completed
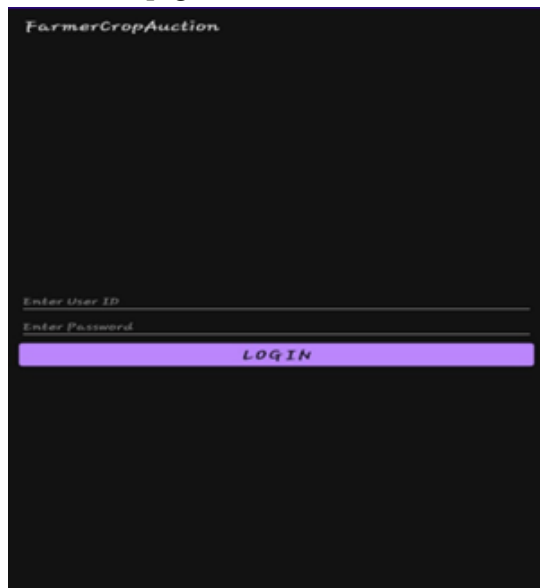

Figure 3 : Registration Page

After Successful Registration then it will direct you to login page where we have to enter the login details .It

validates the details. If they are correct then it redirects you to the main page

If you are registered as Buyer, these are the functionalities you can perform .You can search crops, View Messages
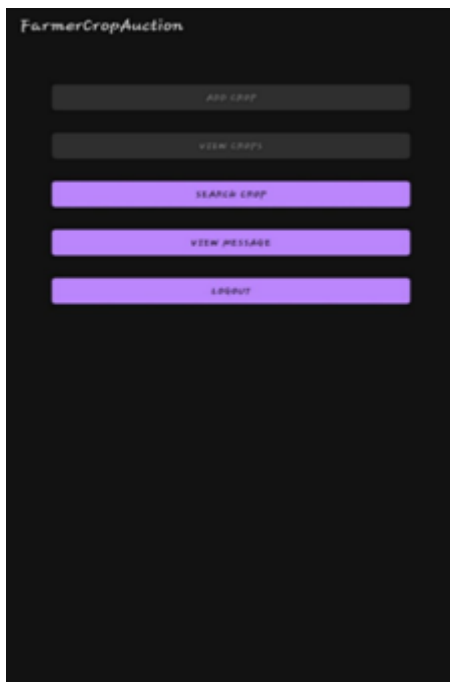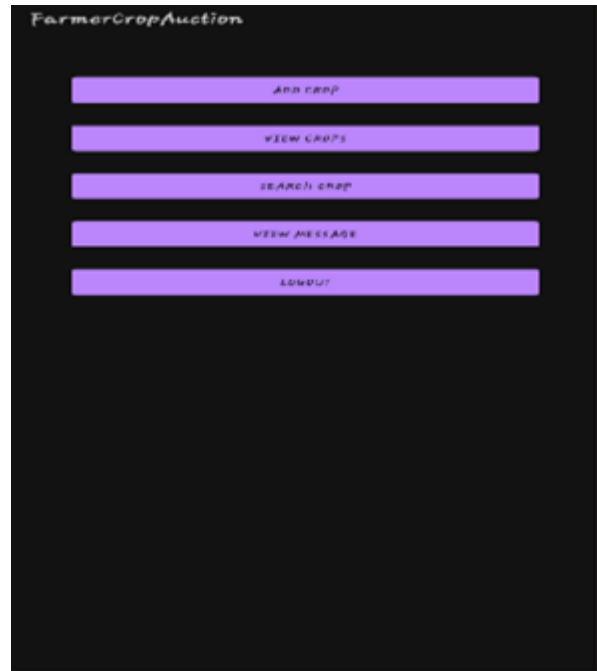

Figure 4 : Main Page

If you are registered as farmer then the functionalities you can perform like add crops ,View crops, Search crops, View Messages, and Logout.

In order to add crops, we need to enter few details that are mentioned below like the basic details of the product like quality, quantity, price location and any photos of the product

View crops

After selecting the functionality view crops, we can view the list of crops
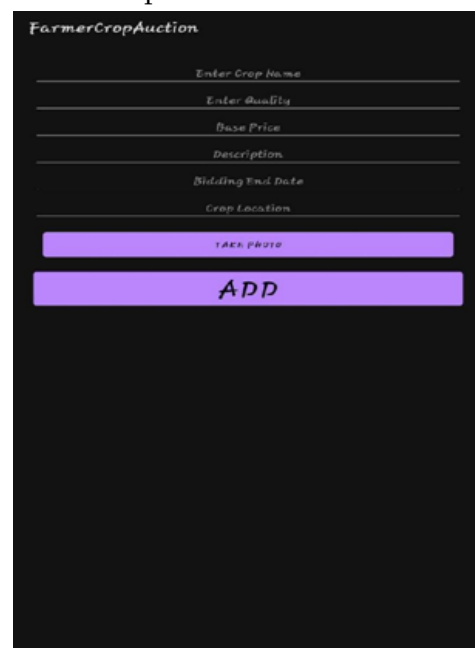

Figure 5 :view crops

Search crops:

In order to search crops ,we need to enter the name of crop and click on the search button n
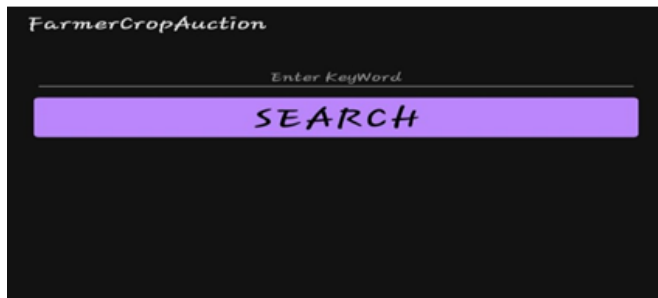

Figure 6 : Search Crop

VI. Future Enhancement

Farmers who wish to make money online might benefit greatly from this strategy. This approach allows farmers to sell their produce without going to the market. Farmers will profit more since they would be allowed to sell their produce at their own price

VII. Conclusion

Farmers who wish to make money online might benefit greatly from this method. This approach allows farmers to sell their produce without having to go to the market. Farmers will profit more since they would be allowed to sell their produce at any price they want.

VIII. REFERENCES

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