

E-Mandi: The Android Shopping Application

Prof.Ishwarappa Kalbandi¹, Pratyusha Patil², Sakshi Rayu³,Rohit Panjwani⁴,Aditi Adhav⁵

¹Assistant Professor, Department of Computer Engineering

^{2,3,4,5}Students Department of Computer Engineering

(ishwar.kalbandi@gmail.com)

98pratyushapatil@gmail.com · sakshirayu61@gmail.com · rohit.panjwani.03@gmail.com
· aditi182it17.aa@gmail.com

Department of Computer Engineering

Dr. D.Y.Patil Institute of Engineering, Management and Research, Akurdi, Pune, India

Abstract—This is a small scale project for Online Farm shopping system. The basic idea is that customers can buy products using internet. The user can enter the name and password and can create an account and then generate the receipt of the products purchased .The Online Farm Shopping system enables Farmers to set up online shops, customers to browse through the shops and a system administrator to approve or reject request for new farmers and maintain a list of farmer categories.also on agenda is designing an online shopping Mandi to sell the items of Farmers without third party involvement i.e. Vendors and also help customers purchase the products online without having to visit the shop physically and service will be provided at the doorstep.Our online shopping E-mandi will use the internet as the sole method for selling goods to its consumers. Shopping will be highly personalized and the system will provide lower prices than most competitors because the commission which vendors were taking is completely excluded. It is an Android application shopping cart that enables the day-to-day sales functions. It includes product and customer management modules. This application will be useful to anyone who wants to purchase items using internet.

Keywords—*Android, GPS, Firebase*

I. INTRODUCTION

India is the one of the largest producer of farm products. Agriculture has been playing important role for years.New technologies have enhanced the yield of farm products and resulting into increase in economic development.The aim of developing this application is to give a fair and consistent price of products to Farmers. Due to certain system process supply chain of products have lengthen and increase opportunities to form warehouses resulting in rising price for customers and down for farmers. Removing farm products from these committees will bring out true market value.

This project is a web based android application that provides functions to help the Farmers in selling their crops online and gives the services to the Customers at their doorstep. The project objective is to deliver the online E-Mandi application into android platform.

E-mandi is the application through which consumers will directly get connected to farmers for purchasing the farm products in real-time, without an intermediary service, over the internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online buying and purchasing the farm products from anywhere through internet by using an android device.

II. PROPOSED METHODOLOGY

We are designing an application using Android Technology,where farmer can login and upload complete details of vegetables,pulses and fruits.The customer can get details about various range of fruits,vegetables and pulses with prices and quantity.The customer can select area for shopping grocery.Buyer can track the details of ordered products.The application will be used to connect farmers and consumer directly.The Farmers and customers can select languages to use the application.

III. DESIGN MODELS

The project contains the following models:

A. Farmer

This module consist of registration form through which they can create account with id and password.With this id and password, farmers can upload the product details.The data will be saved to server and it will reflect in the application.Buyers

can buy the products directly from farmers as location will be provided.

B. Customer

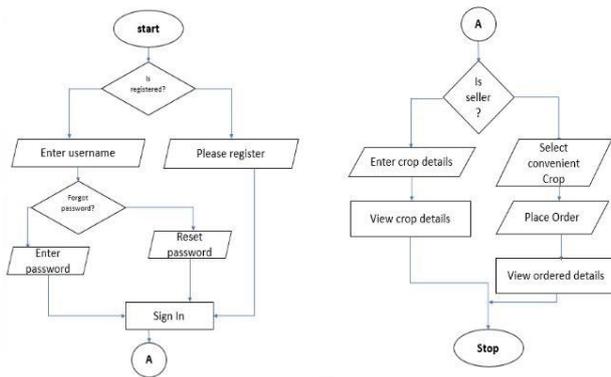
This module consist of form by which the customer will create account with id and password.Customer can use this is and password to login.Buyers can search and view products of farmers and place order.Customer can even visit farm location to buy products by placing order.

C. Application

This module contains programming behaviour.This application is made with help of Android studio.programming is done with java and xml language.

IV. SYSTEM ARCHITECTURE

E-mandi is the application through which consumers will directly get connected to farmers for purchasing the farm products in real-time, without an intermediary service, over the internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online buying and purchasing the farm products from anywhere through internet by using an android device.



V. TECHNOLOGY USED

Android Studio:

Android Studio is the official IDE for android application development.It works based on IntelliJ IDEA, We can download the latest version of android studio from Android Studio 3.0 Download, If you are new to installing Android Studio on windows,you will find a file, which is named as android-studio-bundle-143.3101438-windows.exe.So just download and run on windows machine according to android studio wizard guideline. If you are installing Android Studio on Mac or Linux, You can download the latest version from Android Studio Mac Download,or Android Studio Linux Download, check the instructions provided along with the downloaded file for Mac OS and Linux. This tutorial will consider that you are going to setup your environment on Windows machine having Windows 8.1 operating system.

VI. CONCLUSION

This concludes that the project undertaken is for simplifying the task of users i.e. Farmers as well as Consumers. This application not only simplifies task of the farmers but also helps the consumers by delivering ordered products at their door-step or customer can purchase it by visiting the farm.

VII. FUTURE SCOPE

There are many things which can be added like multiple payment methods.More languages can be added.This application can be altered for some other product.The application can controlled through speech.

REFERENCES

- [1].Reto Meier,“Professional android 4 application development”.John Wiley & Sons,Inc. 10475 Crosspoint Boulevard Indianapolis,2012.
- [2].K.B.Priya Iyer. Intelligent Path Finder for Goal Directed Queries in Spatial Networks. International Conferenceon Advances in Mobile Network,Communication and Its Application 2012.
- [3].Global Positioning System Open Courseware from MIT, 2012
- [4].Acharya, S.S. (2005), “Agriculture marketing and rural credit:Status, Issues and Reform agenda, Area, Production and Yield of Principal Crops in India”, Directorate of Economics and Statistics, Ministry of Agriculture.