FARMING WEB ASSISTANCE USING WEBSERVICE

Mehajabin Nadaf[*1], Sumaiya Nadaf[*2], Mubashira Panhalkar[*3], Arpita Patil[*4], Nilesh Kadam[*5], Prof. Seema A. Bandagr[*6]

[*1,2,3,4,5]Student, Shivaji University, Information Technology, Dr. J.J. Magdum College Of Engineering, Jaysingpur, Maharashtra, India.

[*6]Professor, Information Technology, Dr. J.J. Magdum College Of Engineering, Jaysingpur, Maharashtra, India.

ABSTRACT

The idea of this project is to add its features into the lives of the people so that the food which they buy can be bought directly from the farm so that the profit can reach directly to the farmers. Because in India we follow a supply chain of farm product making things too much indirect for the farmers due to which the farmer still reaming poor and the intermediates are gaining profit which ultimately makes them rich.

Keywords: Farmer, Admin, Customer, Profit, Communication.

I.   INTRODUCTION

A Farmer is a person engaged in agriculture activities. Farmers have great importance in our society they are the one who provide us food to eat. Since every person needs proper food for their living, so they are necessity in society but nowadays they don't get their desired money for their hardwork due to middle person taking all the profit. The idea of this project is to add its features into the lives of the people so that the food which they buy can be bought directly from the farmer so that the profit can reach directly to the farmers.

II.   METHODOLOGY

Customer:

If Approved following steps

1. Customer can update profile details.

2. Customer can see passed orders and transaction histories.

3. Customer can create or confirm new order by paying total bill amount through available payment options.

4. Customer can Cancel order only if order status is in queue.

5. Customer can request products which are not available on website to admin.

If Not Approved following steps

1. Customer can see products in Homepage.

2. Customer can search or filter products based on categories.

3. Customer can choice products and can add it to the cart.

4. Customer can modify cart items.

Farmer:

If Approved following steps

1**.** Farmer can add or change any product based on category.

2. Farmer can create product labels categories.

3. Farmer can put products to sell on Homepage using smart stalk table.

4. Farmer can view old , new and future orders.

5. Farmer can change status of all orders ensuring payment from customer**.**

If Not Approved follow above steps

Admin:

1. Admin manage Farmer and Customer information or data.

2. Admin can view number of Customers, Farmers.

3. Admin can restrict features based on Customer or Farmers role.

4. Admin can prepare stalk summary and recommend similar products to customers.

5 Admin can approve new Farmer account to start merchant.
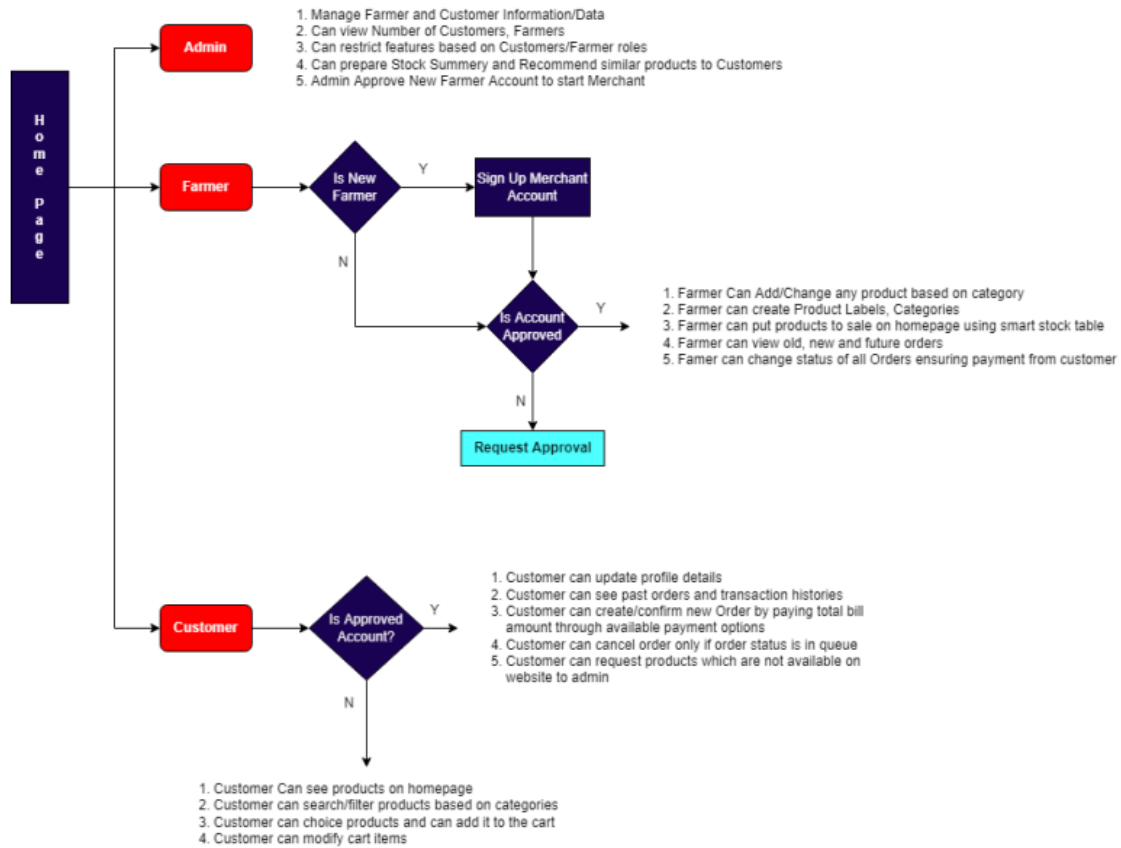
III.   MODELING AND ANALYSIS

Figure 1: Project Module

1. Requirement and Technology

Farming Products -> Sale/Purchase with End Customer from Farmer

Modules

1. Admin - Account Control

2. Farmer - Products/Stock Add/Update/Delete, Customers Reports

3. Customer - Profile Maintain, Order Details

Techology

1. Programming Langauge : Python

2. Back End Framework   : Django

3. Front End Framework   : React Js/Angular Js

4. Future Scope   : AI/ML

IV.   RESULTS AND DISCUSSION
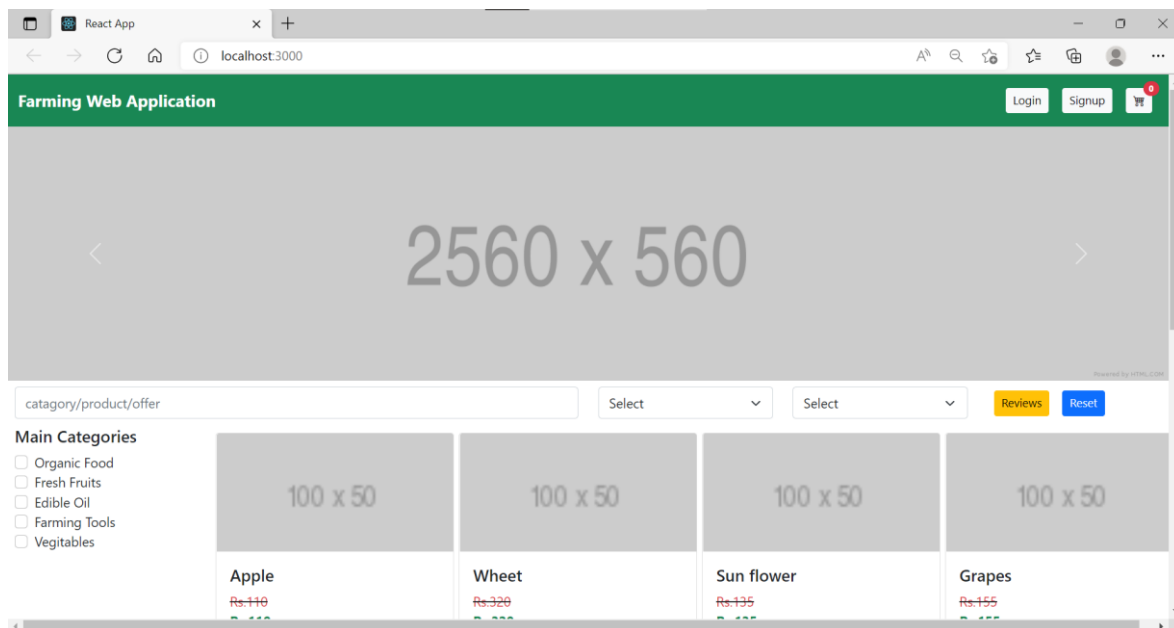
V.   CONCLUSION

The agricultural web service will be design and developed to overcome the drawbacks of old manual system and meet the requirements of modern page. This system will digitalize the agricultural industry and give more profit to the farmers. It will bring transparency between farmer and customer by removing intermediates. Will save energy and time of farmers and customers and this web service will be the link in agricultural industry. The "Farming Assistant Web Service" is successfully designed and developed to fulfill the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly, form level validation and field level validation are performing very good. The old manual system was suffering from a series of drawbacks. The present project has been developed to meet the aspirations indicated in the modern age. Through the developed project, anyone can visualize the effectiveness and efficiency in the real life. It is very helpful for computerization or doing automation of a personal information management system. This program helps reduce the manual method and stress which is done by a person and that is time consuming and lengthy process.

ACKNOWLEDGEMENTS

VI.   REFERENCES

[1]   http://projetcideas.co.in/farming-assistant-web-service-project-ideas/

[2]   https://www.slideshare.net/SurbhiSharma250/farming-assistant-web-service-101343072

[3]   ABC News, Clues Sought in $75 million record breaking drug heist. Reported by Y. Denies and L. Ferran, 2010. [Online]. Available: http://abcnews.go.com/GMA/TheLaw/75-milliondrugs-stolen-dramatic-connecticut- © 2020 JETIR February 2020, Volume 7, Issue 2 www.jetir.org (ISSN-2349-5162) JETIR2002409 Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org 42 heist/story id=10133205#.T3x29tXy83E. Accessed on: Apr. 03, 2012.

[4]   Specification for security management systems for the supply chain, ISO 28000-2007, 2007. [Online]. Available: http://www.iso.org/iso/ catalogue_details number=44641

[5]   Specification for security management systems for the supply chain, ISO 28000-2007, 2007. [Online]. Available: http://www.iso.org/iso/ catalogue_details number=44641

[6]   C. Speier, J. M. Whipple, D. J. Closs, and M. D. Voss, "Global supply chain design considerations: Mitigating product safety and security risks," J. Oper. Manage., vol. 29, pp. 721– 736, 2011. [7] T. J. Pettit, J. Fiskel, and K. L. Croxton, "Ensuring supply chain resilience: Development of a conceptual

framework," J. Bus. Log., vol. 31, no. 1, pp. 1–21, 2010. [8] S. Chopra and M. S. Sodhi, "Managing risk to avoid supply-chain breakdown," MIT Sloan Manage. Rev., vol. 46, no. 1, pp. 53–61, 2004

[7] International Conference on I2C2, "Agriculture decision support system using data mining", Prof. Rakesh Shirsath: Neha Khadke: Divya More.

[8] IEEE Papers E-Farming Sindhu M R, AdityaPabshettiwar, Ketan.K.Ghumatkar, Pravin .H.Budhehalkar, Paresh .V.Jaju G. H. Raisoni College of Engineering and Management, Pune, India ISSN:0975-9646 Pages-3479

[9] IEEE Papers E-Agriculture Information Management System Sumitha Thankachan1, Dr.S.Kirubakaran21PG Scholar, Info Institute of Engineering, India2Assistant Professor, Info Institute of Engineering, India ISSN 2320-088x Pages-600

[10] z Williams, J. E. Lueg, and S. A. LeMay, "Supply chain security: An overview and research agenda," Int. J. Log. Manage., vol. 19, no. 2, pp. 254–281, 2008.

[11] Europolreport,2016.[Online].Available:https://www.interpol.int/News-and media/News/2016/N2016-139. Accessed on: Nov. 30, 2016.