

Farm Share

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Abstract: The project entitled “FARMSHARE” is a well prepared one in JSP and MySQL Platform. The objective of this system is to bring back the naturally grown vegetables to the customers using intermediaries. The system will help the customers by providing a Simple user interactive interface for ordering their needed vegetables or fruits through Online. Then the ordered item will be taken to the customer by concerned staff. The aim Of the project is to promote biological farming and to help the farmers to sell their Products directly to the customers. Online Shopping apps help people to order grocery Products online using mobile apps anywhere. In this website, people can buy fresh Vegetables and fruits directly from the farmer. This helps the farmers to facilitate their Business and the customers get healthy food products. The tools and machines need for Farmers are also available in the website. The main idea of the project is to bring good and healthy vegetables and fruits to common people. The administrative property of the System provides security features through we can prevent unauthorized access to the Software.

1. INTRODUCTION

India is the second largest country in the world that produces vegetables after China. It accounts for about 15 percent of world’s population of vegetables. Still most of the farmers are selling their products through third parties. Hence, these third parties take away a major share of farmer’s profit. Therefore they don’t get paid enough they deserve. Online Shopping apps help people to order grocery products online using mobile apps anywhere. The ordered product gets to deliver doorstep to the desired address. Nowadays there are several websites that sell fruits and vegetables. But the products from these online shops may not be good and fresh. It is more likely to cause many health problems in people.

Our system is a solution for all the problems mentioned above. The ‘FARMSHARE’ is an application developed using JSP, HTML, CSS and JAVASCRIPT as front end and MySQL as the back end. The system consists of 4 modules such as Admin, Farmer, Customer and Staff. Each of these modules perform several tasks. It is accessible for users and administrators where users can register themselves into the system. The farmers can add their products and can give a description about the products. The customers can login and view the products and their description. Then they can add the

products to cart and buy it as they wish. Then the ordered item will be taken to the customer by concerned staff. The administrators are the main authority of the system and they are responsible for adding, editing, updating, and deleting information. The security features prevent unauthorized access into the system. The main objective of the software is to help the farmers to sell their products and the customers can buy the vegetables at a reasonable price. The other benefits of the software includes : traffic and crowd can be avoid, time and money can be save.

2. LITERATURE SURVEY

India is an agrarian country with around 48.9% of its people depending directly or indirectly upon agriculture. Nowadays the problem of farmers suicide is one of the vital concerns that need to be addressed by the government in February 2022, the Lok Sabha informed that over 17000 farmers between 2018 and 2020 committed suicide indifferent parts of India. Based on this, we proposed a system to support the farmers to sell their products. Today everyone spends more time online than in any other place. From startups to well grown companies, everyone made benefit from e-commerce whether their products or services can be sold online. Without e-commerce the internet world is nearly impossible now. For the better performance of our system we have several system studies which include:

According to ‘INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY (IJART)’ made a study on online shopping behaviour for apparel that defines the internet has given rise to great potential for business through connecting globally. By analysing the current behaviour of the Indian buyers experts estimated that the trend of e-shopping will become basic phenomena with buyers in coming years. The business model of the Indian e-business is taking a full circle flip to go rear to where it started, though this time the infrastructure has changed and along with that size and understanding of the marketplace as well.

Another one is Amazon fresh that is officially launched as a single store in November 2021. It is now available across 300+ Indian cities, which gives us the opportunities to serve a lot of customers by offering the widest solution of fresh fruits and vegetables at a fair price and convenient delivery. The platform act as a single online destination for daily grocery needs, and aspires to be the most

automated digital grocery in India connecting local sellers and sourcing directly from farmers in an important part. According to 'Kisaan Shop' it is India's largest agri input marketplace platform at their doorsteps. Our project is similar to this system which brings accessibility of quality agriculture products and personalized advisory by holding its technology offering for farmers empowerment.

3. METHODOLOGY

There are four modules that are identified, Admin, Farmer, Customer and Staff modules. We considered the Admin as a vegetable shop owner, who controls over the whole website. The Admin has several authorities such as he can add customers, farmers, and staffs to the website and also he is responsible for adding product, category, information and also includes viewing products and creating information. Farmer is the person who sell their products to customers. The Farmer is mainly responsible for adding products and category. He can view the products of other Farmers or the products added by the Admin and view the cart of customers. And also, can see the information posted by the Admin. The Farmer can login to the website using the credentials provided to him. The main features of the Customer are making order, adding products to cart and making payments. They can view all the products uploaded by the Farmers. Also, can view the notifications and their own cart. They are logging in using the credentials provided to them. The Staff module is used to delivering the products to the Customers. When he gets the order request, then he is supposed to pick up the products and delivering it to the customers.

3.1 Existing System

The existing system is being operated in manually. The entire record keeping is manually. The entire record keeping is performed in paper and the data is stored in files. This method of operation is very time consuming i.e., for managing information about the farmer, staff, customers, product and order details. This involves lot of manual effort, more personal and storage space is required. The data may be lost with the pas sage of time. So, the problem we given to solve is to build an automated system which helps the administrator, farmer, staff and the all customers in the system.

3.2 Proposed System

Taking into account the shortcoming of the existing system, a new computerized system was proposed with JSP as front and MYSQL Server as back end. High speed and ease of use are the main features of the proposed system user can find their needs much faster than normal.

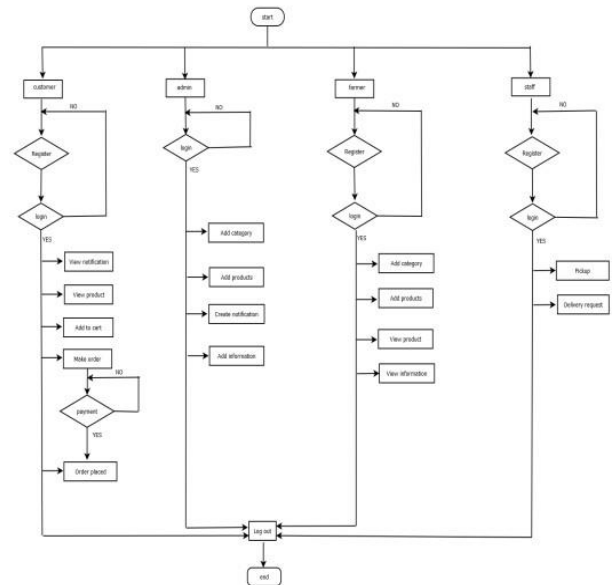


Fig 1

4. CONCLUSIONS

Anything cannot end in a single step. It is the fact that nothing is permanent in this world. So this utility also has the some future enhancements in the evergreen and booming IT industry. Change is inevitable. Almost every project is subjected to change depending on the client requirements. "FARMSHARE" subjected to changes; there is always a scope of further enhancement. The system is proposed for the purpose of managing a farm under an owner. It involves information about the various products, farms, farmer, customers, details etc. This project is based on the ordering of interested products and managing the farms. This website was implemented and tested with real data and found to be error free. Also, the system was protected from any unauthorized access. All the necessary validations are carried out in this project

5. FUTURE SCOPE

Any system, which has been in use for a number of years gradually, decays and become less effective because of the change in environment to which has to adapt. For a time, it is possible to overcome problems by amendments and minor modification to acknowledge the need of fundamental changes. The newly developed project "FARMSHARE" satisfies only the basic requirements of the organization. The project only deals with the organization's dealings with the customer. The application of internet facility helps the customers. This part can be programmed to be handled by the software. The release of new versions of software

"FARMSHARE" and the fast growth of technology will surely force the system to impose some changes. Foreseeing those needs system is developed in such a way that the enhancement can be easily made without making major changes to the application "FARMSHARE".

6. REFERENCES

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- <https://www.farmersfz.com/vegetables>
Farmer freshers Zone is a agri tech startup bridging the gap in fruits and vegetables supply chain. We connect the rural farmers to urban consumers.
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