RfarmQuipment-Rental Farming Equipment Website

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Abstract - India's economy is based mostly on agriculture, which requires constant support and development. Several Indian NGOs are taking the initiative to help farmers by providing them with cutting-edge agricultural equipment on a rental basis as part of this. modern agricultural equipment support efficient farming. As a result, several organizations have been established to assist farmers who want such equipment. These organizations possess the necessary equipment and lend it to farmers upon request for a fee. Farmers must to drive to a location to borrow all of their fundamental necessities, which is a time-consuming and inefficient task. In this paper we develop user interface through which farmers can easily get agriculture equipment. Our project based on the concept of renting out the equipment which is upgraded with the E-commerce website to bridge the lease gap between the farmer and the tenants.

Index Terms – Agriculture, Equipment, Farmer, E-Commerce, Farming, Rental Equipment.

I. INTRODUCTION

The vast majority of farmers lack the financial resources to acquire sophisticated agricultural equipment. But, for farmers, these tools are essential since they make farming easier. To assist such farmers who cannot afford to purchase such costly equipment, we are striving to give the farmer or user with a solution that allows them to rent the equipment from adjacent farmers without the participation of any agency or organization and with ease of access. The farmer must register on this page. The farmer or user must next enter a username and password. The farmer may now upload the available equipment as well as the rental procedure, in which a renter can rent such expensive equipment at a reasonable price.

II. LITERATURE SURVEY

A.G. Abishek; M. Bharathwaj; L. Bhagyalakshmi[5] The Vision of this project is to ensure fair price to the farming community by devising new techniques and by making use of online market. An application, that serves as a platform for movement of agricultural products from the farms directly to the consumers or retailers. This mobile and web application provides privilege for both farmers and consumers or retailers to buy and sell the required farm products without the involvement of a middleman at its right profitable price.

B. JothiJahnavi; R. Monica ; N. Sripriya[2]Modern agricultural equipment makes farmer's work more efficient and easy. As a part of this some organizations a reset up to help those farmers who are in need of needs. This paper is equipment the process of renting the agricultural equipments he farmers .We aim at developing an application that farmers can use to get their equipments on rent and also check the availability and renting. It also helps us to get the track of equipments that are on rent.

Bhuvan S, Purushotham G.K, Manoj A, Chandan A.M, Chandraprabha K.S.[1] The E-commerce website has been improved as part of this project to bridge the gap between the farmer and the vendor on a lease basis. Only the user has access to the main program after going through the login procedure; only the user may pick and book resources. This paper is jam-packed with information about the products. Farmers will benefit from this paper. The main goal of this website is to manage a variety of agricultural machinery, including Harvesters, JCBs tractors pick aspirators Rotor and other agricultural machinery. End users will find the proposed system simple to use. The vendor and farmer can change their previous information on the internet.

Kai Zhou,JingtaoZhang,Jialin Hou, Wanying Wu, TianguoJin [4] One of the most important and challenging tasks is website design. Information transmitted by the seller or farmer while registering on the site is stored on the website. Products with copyright, description and image are stored on the website. In addition, when the administrator reviews any of the installed products it will be updated on the website. Therefore, the system is closely related to the website.

III. REQUIREMENT ANALYSIS

Scope by observing the day-to-day problems faced by farmers to rent equipments during peak seasons of harvesting, sowing, irrigation, due to shortage of availability of equipments for renting, we have decided to build a website that will help farmers by-
- Module for farmer to upload equipments.
- Different categories for the equipments.
- Module for renter to save the equipments he needs.
- Access to various government schemes.
- Including regional languages for better understanding.

- Section for farmers to post any requirement of laborers during harvesting or sowing.

Hardware and software Requirements
- Hardware:
CPU: Intel core i3 5th gen or above
RAM: 4GB or above
HDD:1GB-1.5GB
- Software
OS: Windows 8 and above
Browser: Google Chrome
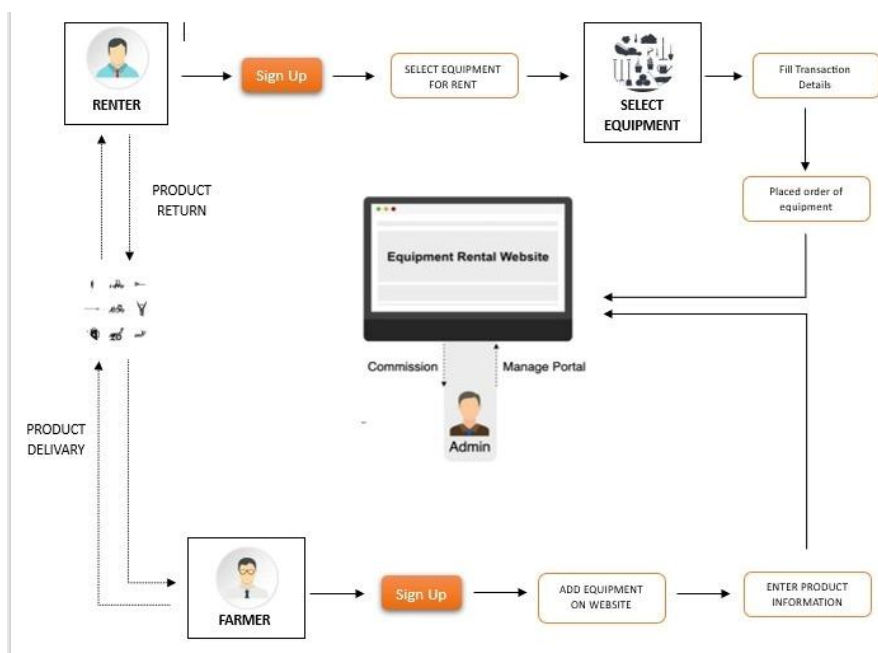VSCode, Xampp

PROJECT FLOW DESIGN

Figure 1: System Architecture

Our design correspond of the posterior modules

 • Farmer- In this module the planter information is reused. This information includes giving username and word to login to this point. This is needed to corroborate the stoner. The registered number of the client is used to confirm the planter's orders and also to shoot promotional number. Farmer can also see their registered outfit when they login on their account using their stoner id and word.

 • Renter- In this module the renter information is reused. This information includes giving username and word to login to this point. This is needed to corroborate the stoner. The contact number of the renter is used to confirm the renter's listed outfit and also to shoot a promotional number. The renter can also sputter to that planter about the outfit which he wants on rent.

 • Add to cart; This sub-module lets the renter to elect the particulars that they intend to take on rent to store in cart before placing the order. The particulars can be stored into the cart and it can be deleted from the cart. Order In this module planter order is reused. The stoner can place the order for the outfit they want to take on rent. It verifies the leg law and it confirms the order to delivered place. At the given address the outfit should be delivered.

• Digital Market- In this module, details can be added to the database. The price of the outfit can be added. The outfit details can be edited. The outfit is stored as per order. Arrangement of outfit into orders enables the stoner to search the outfit grounded on its order. The database is regularized so that the redundancy is minimized.

 • Farm worker – In this module planter or renter can reach out to laborers when they need for there work by posting the Query. If Laborers find the post useful they can connect with the planter through contact number indeed they can like or note to the post.

 IV. CONCLUSIONS

RfarmQuipment will function as a straightforward and efficient way for farmers to rent expensive equipments at affordable rates according to their need and convenience through computerized system. This website can establish direct communication between farmers and tenants this can avoid intermediate commission agents and farmers won't be levies with extra unnecessary taxes and charges. This can help farmer to achieve fair and worthful price for his or her product. RfarmQuipment system will play important role in bringing farmers to digitalization's main stream and can prepare them to compete with globalised market.

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