

WEB BASED APPLICATION FOR AGRI FARM**Maheshwari M Desai*¹, Vinay Kumar Hittalamani*²**

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DOI : <https://www.doi.org/10.56726/IRJMETS44484>**ABSTRACT**

An agriculture is back bone of India and there is always need of supporting and improving it. This paper is based on providing rental agriculture machines ,tools and online available of fertilizers ,saplings and seeds. It provides less gap between farmers, providers and users. Before entering the website users, farmers must go through the login screen for further access. The purpose of this website is provide rental machines ,tools and online delivery of fertilizers , seeds and saplings. other farmers can get use of those services that are offered on the website.

I. INTRODUCTION

The Agri Farm is an online platform which helpful and useful for the farmers. The farmers get the services easily in their needy time. The Providers can upload the details of products and further they can get orders or requirements. Where other farmers can make use of these which are available in this website . This application is designed that allows the farmers to upload their Agriculture needs in this website. The website consists list of machines, seeds, saplings and fertilizers which are displayed in service page with their detailed information through that details the farmers can directly contact the owners and he can get rent and products through online order. This project is designed that allows the providers to upload their agriculture needs in this website. The website consists list of machines, tools, saplings and seeds, fertilizers which are displayed in services page with their complete detailed information ,through that details the farmers can directly contact the owners and get the services.

II. METHODOLOGY**FRONT-END DEVELOPMENT**

The front web pages are encoded with HTML and CSS. HTML is a Hyper Text Markup Language, The preferred language for building web pages in HTML .A web pages structure is described in HTML. The contents presentation in the browser is controlled by HTML elements. CSS is a Cascading Style Sheets ,Web pages are styled and laid up using CSS ,which can be used to change the font, color, size and spacing of your text, divide it into numerous columns or animations and other ornamental elements.

BACK-END DEVELOPMENT

Database Management System is main back-end for the website and it is back up support. A Database Management System is software the admin can build a website, add, delete, modify and update the tables. SQL is used, A language for relational database is SQL, It is non-prosedural. The abbreviation PHP stands for "PHP: Hypertext Preprocessor". HTML includes the server-side scripting language PHP. It is used to develop full e-commerce sites as well as manage dynamic content, databases, and session monitoring.

III. MODELING AND ANALYSIS

| Test No | Test Case | Expected Outcome | Actual outcome | Result |
|---------|-----------------------------|--|-------------------------------|--------|
| 1 | Valid username& password | It ought to show the appropriate page based on the user type | Respective residence is shown | Passed |
| 2 | Invalid username & password | "Invalid user id" should be the propererror message that isdisplayed | Error messagedisplayed | Passed |
| 3 | Add/Update/Delete | Add/Update/ | Added/uploaded/ | Passed |

| | | | | |
|---|--|---|---|--------|
| | Member details | Delete Something isdone | Deleted messagedisplayed | |
| 4 | Logout | It must properly logout and should not return to the main page. | Both the login page andthe logout message aredisplayed. | Passed |
| 5 | Insert picture file | Choose file option prompt for selectingimages | The chosen file is displayed for selectionpicture | Passed |
| 6 | while insertingor editing, a blank field | It ought to display the proper error message. | Display suitable error message | Passed |

IV. RESULTS AND DISCUSSION

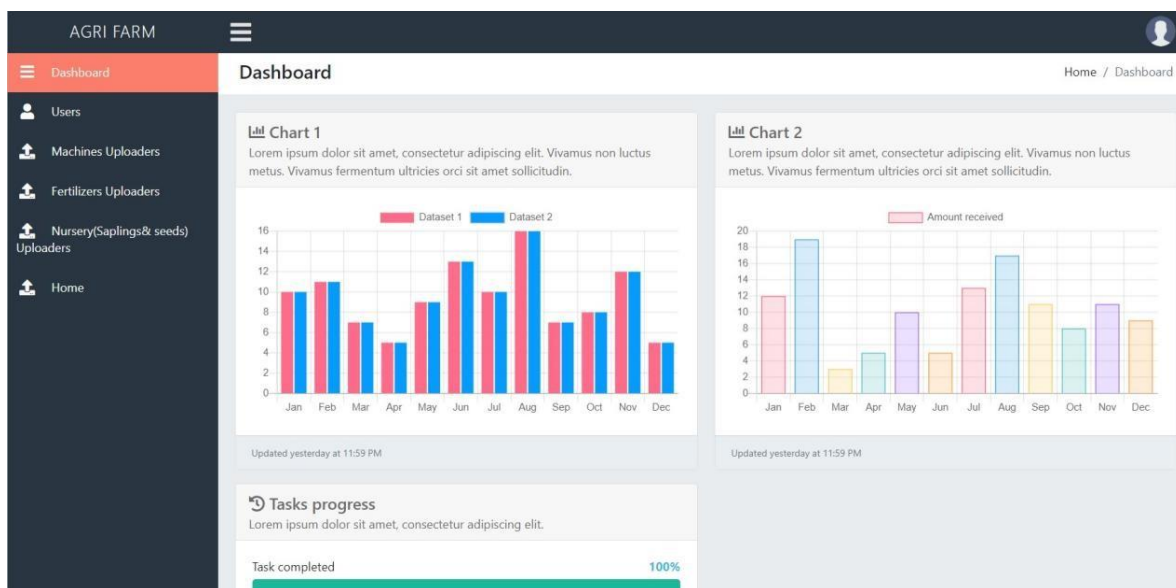


Fig 4.1: Dashboard

The Admin of this page can view all the usage details of machinery uploaders, fertilizer uploaders and nursery uploaders and user profile.

Uploaded Details





| ID | Name | Phone | Rent | Image | Operations |
|----|-------|------------|------|---|---|
| 34 | Rama | 5634127898 | 2000 |  | Edit Delete |
| 35 | siddu | 2244556677 | 2000 |  | Edit Delete |
| 36 | Ravi | 2244556677 | 500 |  | Edit Delete |
| 37 | kk | 1234567899 | 2000 |  | Edit Delete |

Fig 4.2: Vehicles Uploads

Uploaded Details




| ID | Name | Phone | Rent | Image | Operations |
|----|-------|------------|------|---|---|
| 40 | shiva | 2244557788 | 600 |  | Edit Delete |
| 41 | shiva | 1234567899 | 500 |  | Edit Delete |
| 42 | Raju | 2244557788 | 600 |  | Edit Delete |

Fig 4.3: Fertilizer Uploads

Uploaded Details

| ID | Name | Phone | amount | Image | Operations |
|----|-------|------------|--------|---|---|
| 36 | Rahul | 1234567899 | 400 |  | Edit Delete |
| 37 | karan | 2244557788 | 700 |  | Edit Delete |
| 38 | Ram | 2244556677 | 500 |  | Edit Delete |

Fig 4.4: Nursery Uploads

V. CONCLUSION

This website is developed specially the agriculturalists looking for the agriculture needs and farmer don't need to search their needs for long distance, they can just visit this website and get there desire services where other farmers are ready to provide service to them.

We are trying to help our farmers in their needy time. This software is about that the farmers who are having rental machines or tools, sale saplings, seeds and fertilizers they have the capability of uploading items with detailed information by paying .Through this application otherfarmers can get use of all these services.

VI. REFERENCES

- [1] Software Engineering by Summerville
- [2] Software Testing principles and Practices by Gopalaswamy Ramesh and Srinivasan Desikan
- [3] <https://www.w3schools.com/php/default.asp>
- [4] <https://www.sitepoint.com/php/>
- [5] <https://www.php.net/>
- [6] <https://www.mysql.com/>
- [7] <http://www.mysqltutorial.org>
- [8] <https://www.apachefriends.org/download.html>
- [9] <http://www.bluedart.com/>