Final Project: Farm Management System

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***Abstract*—The purpose of farm management system is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.**

***Index Terms*—Management, Farm, Multifunctional**

I. Introduction

The 'Farm Management System' has been developed to override the problems prevailing in the practicing manual system. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

The main objective of the project is to manage the details of farm. The project is totally build at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the farm, crops, cost range.

II. Literature Review

FARM MANAGEMENT SYSTEMS: A CASE STUDY ON A GERMAN MULTIFUNCTIONAL FARM Accurate and easy to use Farm Management Systems are of fundamental importance for a successful operational farm management. However, still today many farmers do not use FMSs for various reasons, like lack of knowledge and the complexity of many available FMSs. In particular for small to medium-sized farms and for multifunctional farms appropriate FMSs hardly exist. This paper aims on the deduction of a concrete FMS from a general FMS. The concrete FMS has to focus on the needs of medium-sized and multifunctional farms.

III. Proposed Methodology

Talking about the features of this farm Management System, the admin can manage every action if they want. Here in order to use the system, you have to log in to the system. You can either log in as a farmer or a buyer. For now, this project consists of only the farmer side. With the use of this super system, the farmers can manage their products with more ease. They can also write a blog and publish them.

Design of this project is pretty simple so that the user won't find any difficulties while working on it. This system in PHP helps the user in managing inventory and transactions.

IV. ER Diagram of Farm Management System

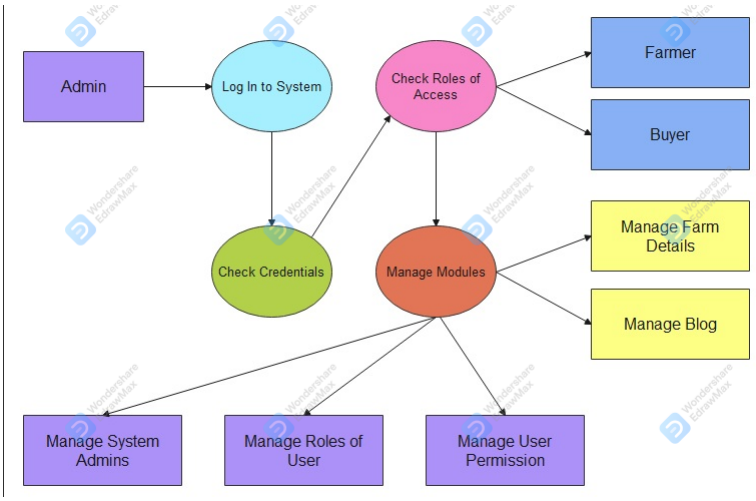

Fig. 1. ER DIAGRAM

V. Farm Management System

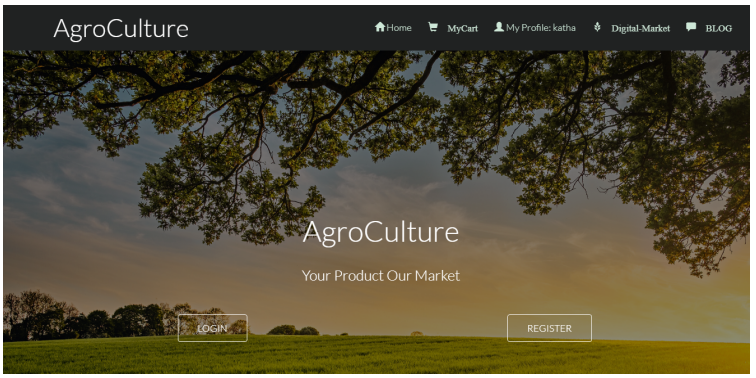

Fig. 2. Home Page

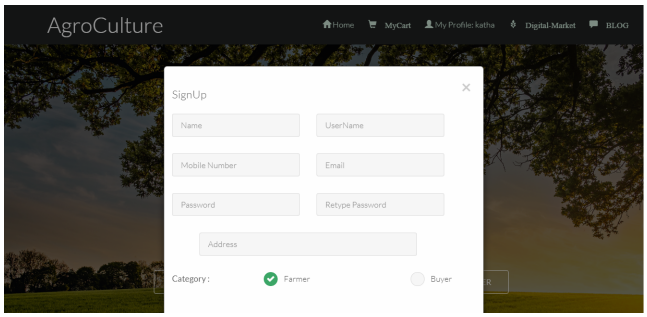

Fig. 3. Home Page REGISTER Option

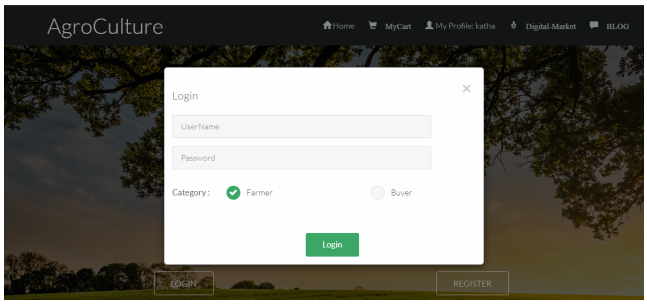

Fig. 4. Home Page LOGIN Option

VI. Requirement

A. *Technology used in this project:*

-HTML
-PHP
-CSS
-JavaScript
-Bootstrap
-MySQL

B. *Supported Operating System:*

-Windows
-Linux
-Mac

VII. Conclusion and Future Work

Farm management system can lead to error free, secure, reliable and fast management system.

-We can give more advance software for farm management system including more facilities.

-We will host the platform on online servers to make accessible worldwide.

-Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

Acknowledgment

I would like to thank my honourable **Khan Md. Hasib Sir** for his time, generosity and critical insights into this project.

References

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```php
<?php
    session_start();

    if(!isset($_SESSION['logged_in']) OR $_SESSION['logged_in'] != 1)
    {
        $_SESSION['message'] = "You have to Login to view this page!";
        header("Location: Login/error.php");
    }
?>

<!DOCTYPE HTML>

<html lang="en">
    <head>
        <title>Profile: <?php echo $_SESSION['Username']; ?></title>
        <meta charset="utf-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <link href="bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="bootstrap\js\bootstrap.min.js"></script>
        <meta name="description" content="" />
        <meta name="keywords" content="" />
        <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->
        <link rel="stylesheet" href="login.css"/>
        <script src="js/jquery.min.js"></script>
        <script src="js/skel.min.js"></script>
        <script src="js/skel-layers.min.js"></script>
        <script src="js/init.js"></script>
        <link rel="stylesheet" href="css/skel.css" />
        <link rel="stylesheet" href="css/style.css" />
```

Fig. 5. Code

```php
<?php
    session_start();
?>

<!DOCTYPE HTML>

<html lang="en">
    <head>
        <title>Profile: <?php echo $_SESSION['Username']; ?></title>
        <meta charset="utf-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <link href="bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="bootstrap\js\bootstrap.min.js"></script>
        <link rel="stylesheet" href="css/main.css" />

        <meta charset="utf-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <link href="bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="bootstrap\js\bootstrap.min.js"></script>
        <meta name="description" content="" />
        <meta name="keywords" content="" />
        <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->
        <link rel="stylesheet" href="login.css"/>
        <script src="js/jquery.min.js"></script>
        <script src="js/skel.min.js"></script>
        <script src="js/skel-layers.min.js"></script>
        <script src="js/init.js"></script>
```

Fig. 6. Code

```php
<?php
    session_start();
    require 'db.php';
    if(!isset($_SESSION['logged_in']) OR $_SESSION['logged_in'] == 0)
    {
        $_SESSION['message'] = "You need to first login to access this page !!!";
        header("Location: Login/error.php");
    }
    $bid = $_SESSION['id'];
    if(isset($_GET['flag']))
    {
        $pid = $_GET['pid'];

        $sql = "INSERT INTO mycart (bid,pid)
                VALUES ('$bid', '$pid')";
        $result = mysqli_query($conn, $sql);
    }

?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <title>AgroCulture: My Cart</title>
        <meta http-equiv="content-type" content="text/html; charset=utf-8" />
        <meta name="description" content="" />
        <meta name="keywords" content="" />
        <link href="bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="bootstrap\js\bootstrap.min.js"></script>
        <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->
```

Fig. 7. Code

```php
<?php
    session_start();
    require 'db.php';
?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <title>AgroCulture</title>
        <meta http-equiv="content-type" content="text/html; charset=utf-8" />
        <meta name="description" content="" />
        <meta name="keywords" content="" />
        <link href="bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="bootstrap\js\bootstrap.min.js"></script>
        <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->
        <link rel="stylesheet" href="login.css"/>
        <script src="js/jquery.min.js"></script>
        <script src="js/skel.min.js"></script>
        <script src="js/skel-layers.min.js"></script>
        <script src="js/init.js"></script>
        <noscript>
            <link rel="stylesheet" href="css/skel.css" />
            <link rel="stylesheet" href="css/style.css" />
            <link rel="stylesheet" href="css/style-xlarge.css" />
        </noscript>
        <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
    </head>
    <body class>

        <?php
```

Fig. 8. Code

```php
<?php
    session_start();
?>

<!DOCTYPE HTML>

<html>
    <head>
        <title>AgroCulture : Write a Blog</title>
        <meta charset="utf-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1" />
        <link href="../bootstrap\css\bootstrap.min.css" rel="stylesheet">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
        <script src="../bootstrap\js\bootstrap.min.js"></script>
        <meta http-equiv="content-type" content="text/html; charset=utf-8" />
        <meta name="description" content="" />
        <meta name="keywords" content="" />
        <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->
        <script src="js/jquery.min.js"></script>
        <script src="js/skel.min.js"></script>
        <script src="js/skel-layers.min.js"></script>
        <script src="js/init.js"></script>
        <link rel="stylesheet" href="css/skel.css" />
        <link rel="stylesheet" href="css/style.css" />
        <link rel="stylesheet" href="css/style-xlarge.css" />
        <script src="https://cdn.ckeditor.com/4.8.0/full/ckeditor.js"></script>
    </head>
    <body class="subpage">

        <?php
            require 'menu.php';
```

Fig. 9. Code