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CHAPTER 1

INTRODUCTION

The world is changing in every element except agriculture, which is necessary in part of humans.Farmers are essential for humanity since they are ones who cultivate food and fill our stomachs.Whatever future technology emerge, sand and land will remain the same. If farmers are welland good, agriculture will have no effect. When farmers produce crops, they sell agricultural products to brokers in the local area becausethey lack the knowledge to go to the outside world and sell their products directly to customers. This is why we want to create website so that farmers can sell their products directly to customers. The system is a collection of concepts, procedures, and criteria for dealing with a common type of problem that may be used as a guide to approach and solve other challenges of a similar sort.The goal of the framework is to provide a common structure so that developers do not have torebuild everything from scratch and may reuse the code given. In this way, frameworks enable us to eliminate much of the labour and save a significant amount of time.

OBJECTIVE

The specific objectives of the project include: To make an environment to buy & sell their agricultural products using android applications.To provide qualitative foods to the buyers.To Implement an automated/online agro culture system. To inspire farmer to produce quality goods and supply to the buyers.Eco-friendly farming system.

1.1problem statement

To provide qualitative foods to the buyers.Implementing an automated/online agro culture system. To inspire farmer to produce quality goods and supply to the buyers. Eco-friendly farming system.

1.2 Existing system

It is focused on studying the existing system of agro culture in and to make sure that the peoples are getting quality fresh goods.

This is also will produce:

- Less effort and less labor intensive, as the primary cost and focus primary on creating, managing, and running a secure quality food supply.
- Increasing number of buyers as individuals will find it easier and more convenient to buy goods.
- Easy management.

1.3 proposed system

For the development of project the designing of database was done on PHPMYADMIN, back end was coded in basic PHP and for frontend we used the same basic PHP codes. Software methodologies are concerned with the process of creating software – not so much the technical side but the organizational aspects. Several software development approaches have been used since the origin of information technology.

1.4 Literature Survey

Dhankar, G. H. provides information and fields focusing on agricultural and rural development in India in this article. Using innovation may be a crucial way to live in a rural area. The advancement of ICT may be used to supply farmers with accurate and timely relevant information and services, hence providing a favorable climate for remunerative agriculture. This paper provides a website for farmers that will help them with all elements of farming. This site offers agricultural information, weather updates, daily market prices, and news/loan information. When creating the application, Maharashtra was considered. In their work, Acharya, S.S. and Agarwal, N.L. discuss AgriCom, a web-based application that offers farmers with information about various crops, farming procedures, and other agricultural items. It is dynamic and interactive in that it accepts comments and other input from end users and may help individuals through the many procedures that must be followed. This project depicts a simulation of a living environment that takes into account several factors such as market demand and supply, production prediction, fertiliser preferences, and so on. Pathak N., point on Online Vegetables Pricing System in this article discusses is to control the price data of the vegetables properly online. The goal of this project is to use electronic equipment and software to automate the present manual system. The value of vegetables can be communicated inside the data. This application also makes it simple to get and manage information. The veggies pricing information is updated on a daily basis. Shakeel-Ul-Rehman,"Indian Agricultural Web application" This study discusses software programmes that are primarily used for farmers' long-term development. Farmers that are able to make crop decisions can register to sell any type of crop. Farmers will be notified about orders based on the crop category offered. Farmers will be able to profit from real-time national crop rates. This technology combines trendy internet and mobile communication tools with GPS for efficient and stylish farming. This review article discusses the introduction, many ideas, and analysis of DBMS, as well as the application of smart phones in agriculture. This article is based on a quick examination of the front-end and back-end technologies necessary for improved agricultural applications to tackle difficulties encountered by farmers across the countr

1.5 Objective

A framework is a standardized set of concepts, practices, and criteria for dealing with a common type of problem, which can be used as a reference to help us approach and resolve new problems of a similar nature.
The aim of framework is to provide a common structure so that developers don't have to redo it from scratch and can reuse the code provided. In this way, frameworks allows us to cut out much of the work and save a lot of time.

Data and Information

Data collection plays an important role in a projects succession and also it plays an inevitable role in the timely completion of the project. The data in the project includes contact information of the clients and their respective feedbacks/complaints which is stored in a database. To assure safety, only the admin has proper access to the information provided by the clients.

Primary Source of Data

Primary data are the first hand data. The necessary information was collected from day to day observation, problems, instructions of supervisor. Queries and personal discussion with the staff of the organization.

- Observation of working environment
- Informal discussion and interaction with the staff of the library department

Secondary Source of Data

The Secondary sources of data were collected in order to achieve the real and fact data as far as available. The major sources of secondary data are as follows:

- Annual reports of the concerned organization
- Related website

CHAPTER 2
SYSTEM REQUIREMENT AND SPECIFICATION

Definition

A Software requirement specification (SRS) is a document that describes what the software will Do and how it will be expected to perform. It also describes the functionality the product needs to fulfil the need so fall stakeholders.

Introduction to Requirement

A Software requirement specification (SRS) is a document that describes what the software will do and how it will be expected to perform. It also describes the functionality the product needs to fulfil the needs of all stake holders. This chapter describes the different fact-finding techniques that were used for achieving the goals and objectives of the project such as Population of the study, Data Collection and Analysis, system analysis, system design and implementation, Testing and validation. The study was conducted in New Road Parking, Kathmandu.

2.1 Software Requirements

- **Xampp:**
  - **Apache**:
    - (Application Server) Apache , often referred to as Server, is an open-source Java Servlet Container developed by the Apache Software Foundation.
  - **MySqlServer:**
    - It handles larege databases much faster than existing solutions.
    - It consists of multi-threaded SQL server that supports different back ends, several different client programs and libraries, administrative tools, and application programming interfaces (APIs)
    - Its connectivity, speed, and security make MySQL Server highly suited for accessing databases on the Internet.
- **Sublime Text:** Sublime Text is a sophisticated text editor for code, markup and prose. You'll love the slick user interface, extraordinary features and amazing performance.
- **Web browsers:** Google Chrome,Mozilla Firefox, Opera and Internet Explorer.
- **Git Hub:** GitHub Inc. is a web-based hosting service for version control using Git. It is mostly used for computer code. It offers all of the distributed version control and source code management functionality of Git as well as adding its own features

Testing

Testing is evaluation of the software against requirements gathered from users and system specifications. Testing identifies important defects, flaws, or an error in the application code that must be fixed .It also assesses the feature of a system. Testing assesses the quality of the product.

Unit Testing

Unit testing refers to the testing certain functions and areas of the code. It gives the ability to verify that all the functions work as expected. Eventually, it helps to identify failures in the algorithms as well as logic to help improve the quality of the code that composes a certain function.

Integration Testing

Integration testing is basically a logical extension of unit testing. In simple words, two tested units are combined into a component and the interface between them is tested. It identifies problems that occur when different units are combined The different modules of this project have undergone integration testing while being merged.

System Testing

System testing tests the behavior of whole system as defined by the scope of the development project. It might include tests based on risks as well as requirement specifications, business process, use cases or other high level descriptions of system behavior, interactions with the operating systems and system resources. It is most often the final test performed to verify that the system meets the specification and its objectives. System testing has been performed at the completion of each feature and is still taking place to make improvements on the existing system

CHAPTER 3

METHODOLOGY

3.1 System Architecture design

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- why all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system. During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. The success of the system depends largely on how clearly the problem is defined, thoroughly investigated and properly carried out through thechoice of solution. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus it should be studied thoroughly by collecting data about the system. Then the proposed system should be analyzed thoroughly in accordance with the needs. System analysis can be categorized into four parts.

- planning and initial investigation
- System Information Gathering
- Applying analysis tools for structured analysis
- Feasibility study
- Cost/ Benefit analysis.

In our existing system the recording of user's information is done manually, So taking more time for searching the information of the users. Another major disadvantage is that preparing the list of members that viewed any user's information takes more time. So, after conducting the feasibility study I decided to make the agro culture System to be computerized. Problem Analysis It is related with the accessing the detailed information of a user and a candidate. So, I have initiated this project with simple requirements regarding the user and candidate information. Some of the problems for designing and developing this project are discussed below:

Design and Development Problem

- Problem in running XAMPP.
- To debug the error during the development.
- To show a relationship between entity.
- Minor error with database table

Feasibility Analysis

A feasibility analysis is conducted once the problem is clearly understood. The purpose of the study is to determine whether the problem is worth solving. It is an analysis and evaluation of a proposed project to determine if it is technically feasible, feasible with the estimated cost and profitable.

Economical Analysis

The economic feasibility of a system is used to evaluate the benefits achieved from and the costs incurred for the project or system. This is done by a process called cost benefit analysis. It provides tangible and intangible benefits like reduction in cost, more flexibility, faster activities, proper database management, etc.
The application is medium scale application and is economically feasible for us to accomplish it. This involves cost benefits analysis. Thus there is no problem of high cost and cost benefits analysis.

Software Analysis

- Consumes a long-time for development of web application.
- Research and analysis cost to determine the actual need in real world.
- Implementation of application in the server and cost associated with the space in server.

Data Conversion

Another cost associated while implementing this web application is the data conversion. The previously used software database must be stored and backup such that there will be no loss in implementing a new web application which consumes time as well as money.

Operational Feasibility

The system is operational feasible as the system can be operate by normal users with basic computer skills without any additional trainings. We have developed this system with the willingness and ability to create, manage and operate the system which is easy for the end users to operate it.

3.2 Use-case diagram

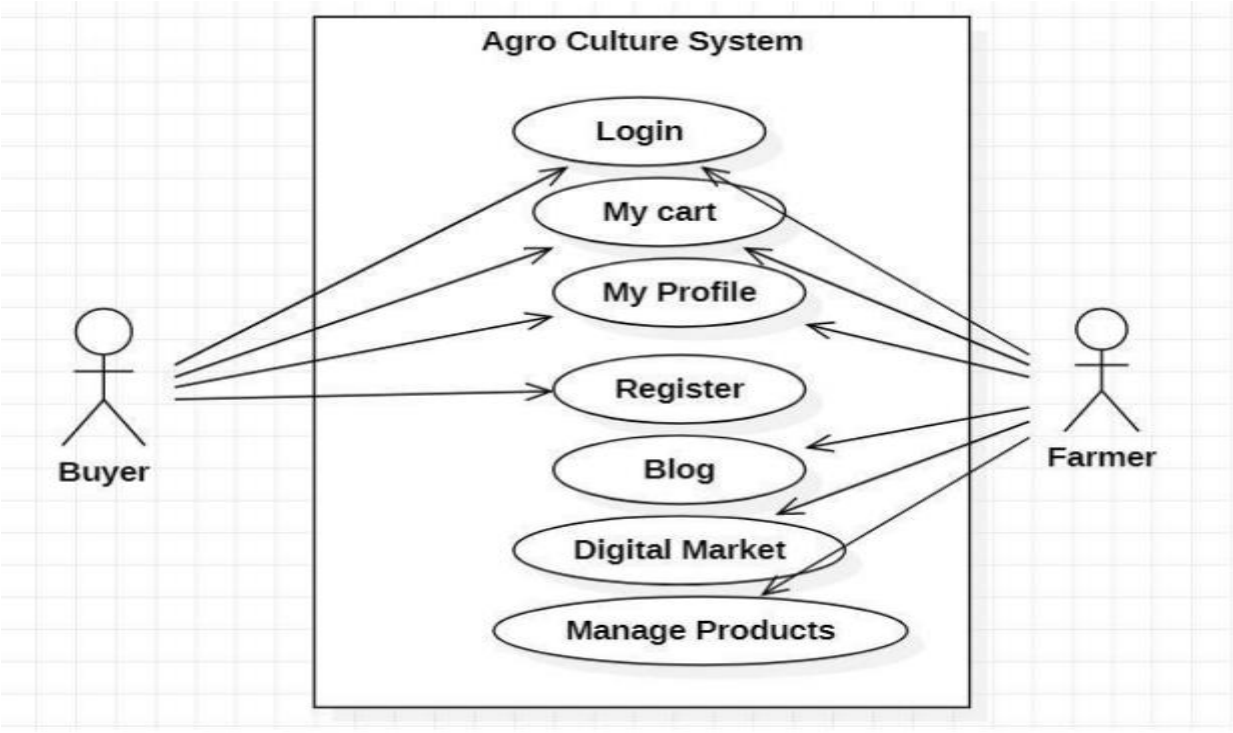

Fig1: Use-case Diagram

Above figure represents Use Case Diagram of the project and is a useful technique for identifying, clarifying, and organizing system requirements. It describes how a user uses a system to accomplish a particular goal. Use cases help ensure that the correct system is developed by capturing the requirements from the user's point of view.

STEPS:

SIGNUP PAGE :

A signup page allows you to acquire access to our system by providing registration information. You may choose your own username when you establish an account by providing your email address and password. You can register with a different username each time. Changes you make while logged in will be associated with that name rather than your IP address. Your information will be stored to the database when you sign up or register. You may also register with an existing Google account; the database will pull data from Google.

LOGIN PAGE:

In the Website , logging in or signing in is the process by which an individual gains access to an website by identifying the user credentials are typically some form of "username" and a "password", and nowadays new technology came by mail verification and OTP verification If you need help resetting your password, we can help by sending you an OTP or email link. Visit Forgot Password Enter either the mobile no or email.

DIFFERENT CROPS:

Your account you must use the login credentials to access your account you will find inside different types of crops (commercial), you can click on which types of crops you require, you select it and click on the crop you find about the farmer agricultural products if you click on it you will find the details about the farmer and the product image with quantity, you can add on to the cart.

Sequence Diagram

A sequence diagram is a type of interaction diagram because it describes how and in what order a group of objects works together. A sequence diagram specifically focuses on lifelines, or the processes and objects that live simultaneously, and the messages exchanged between them to perform a function before the lifeline ends

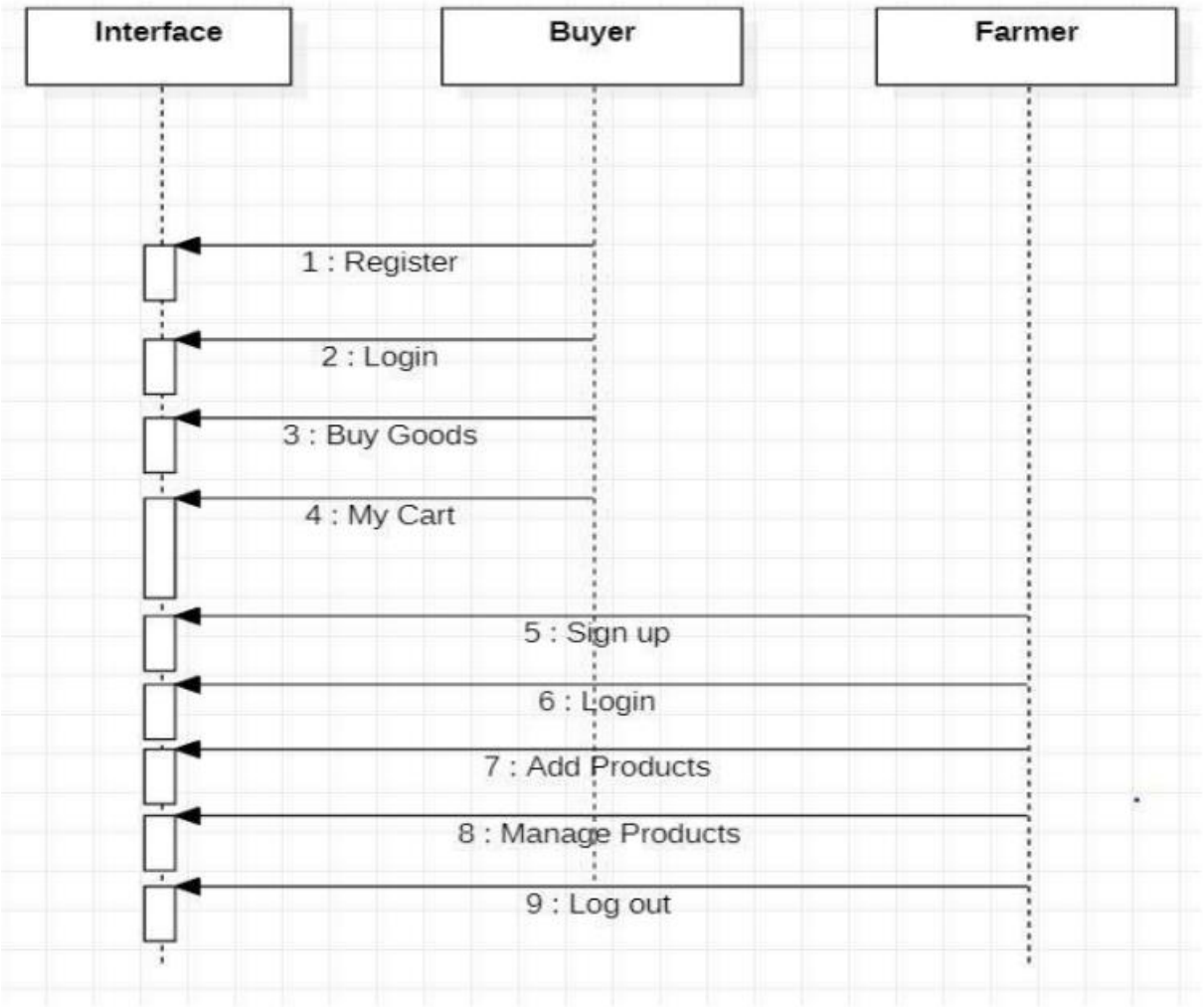

Fig2: Sequence diagram

Above diagram represents Sequence Diagram of the project which is a type of interaction diagram because it describes how—and in what order—a group of objects works together. A sequence diagram specifically focuses on lifelines, or the processes and objects that live simultaneously, and the messages exchanged between them to perform a function before the lifeline ends

3.3 Activity Diagram

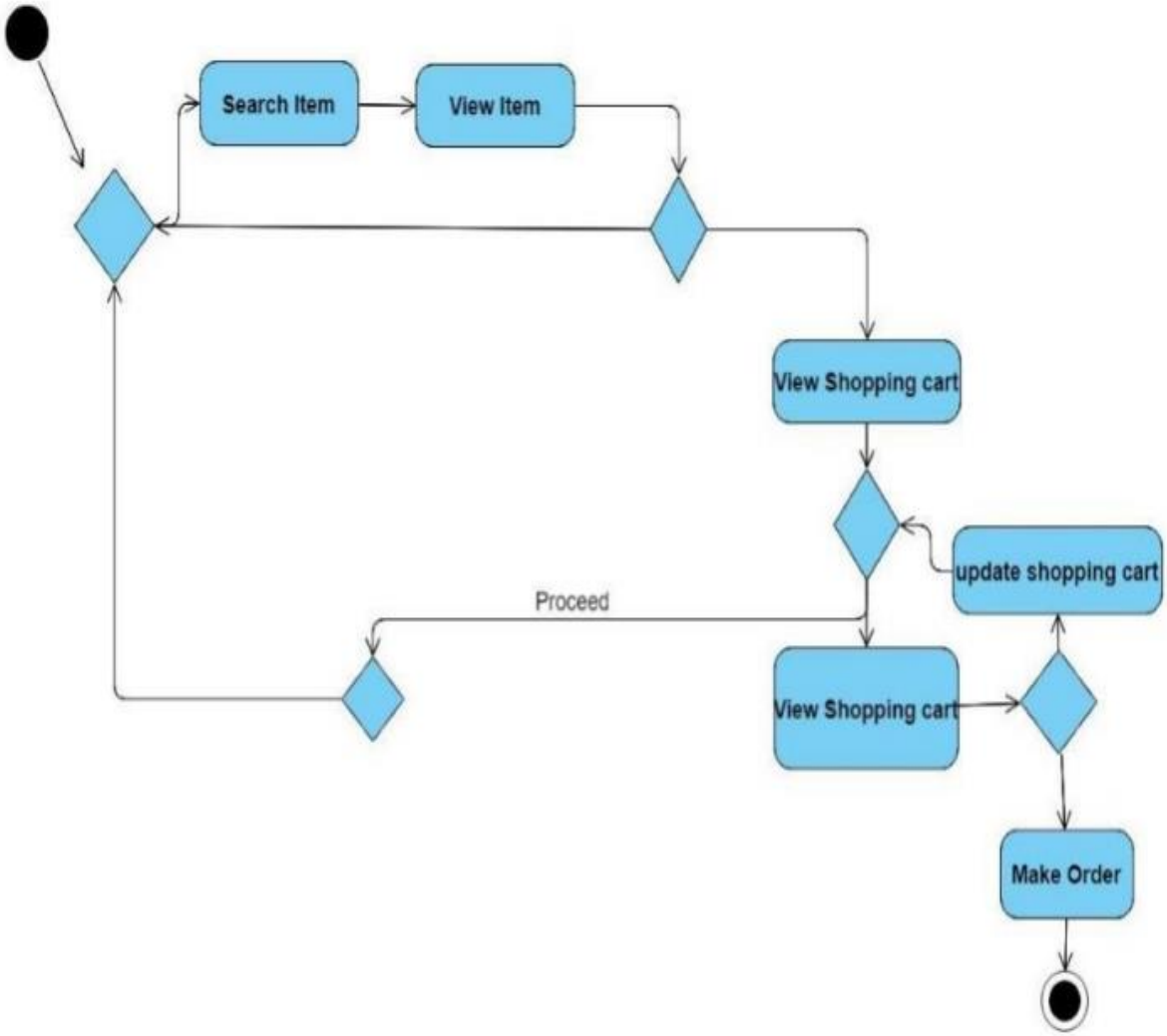

Fig3: Activity Diagram

Above diagram describes the flow of control of a system. The flow can be sequential, concurrent or branched showing the overall functions of the system.

3.4 ER Diagram

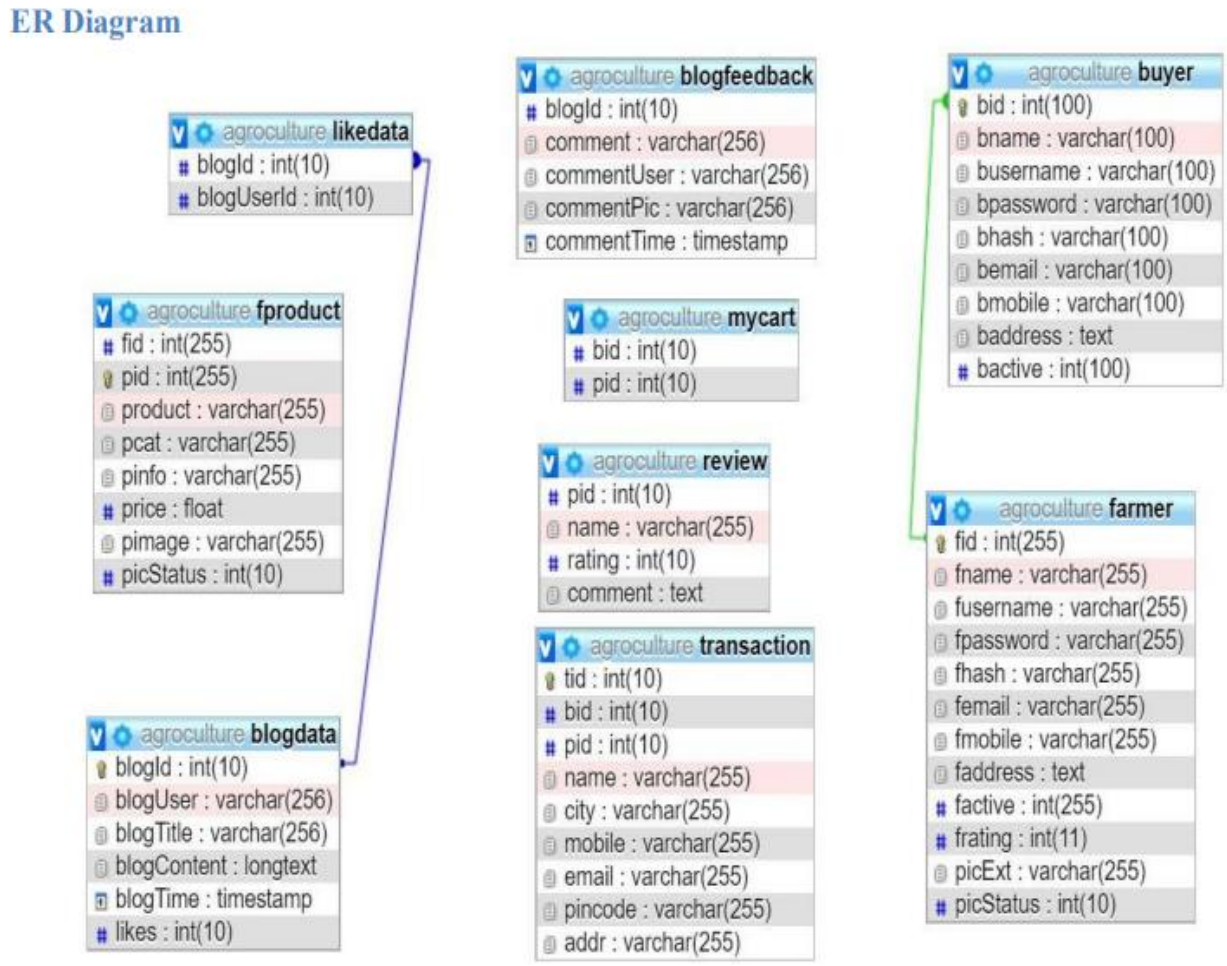

Fig4: ER Diagram

ER diagram show all the relationships between entity sets stored in the database. It illustrates the logical structure of the database. It helps to visualize how data is connected in general ways

Gnatt chart

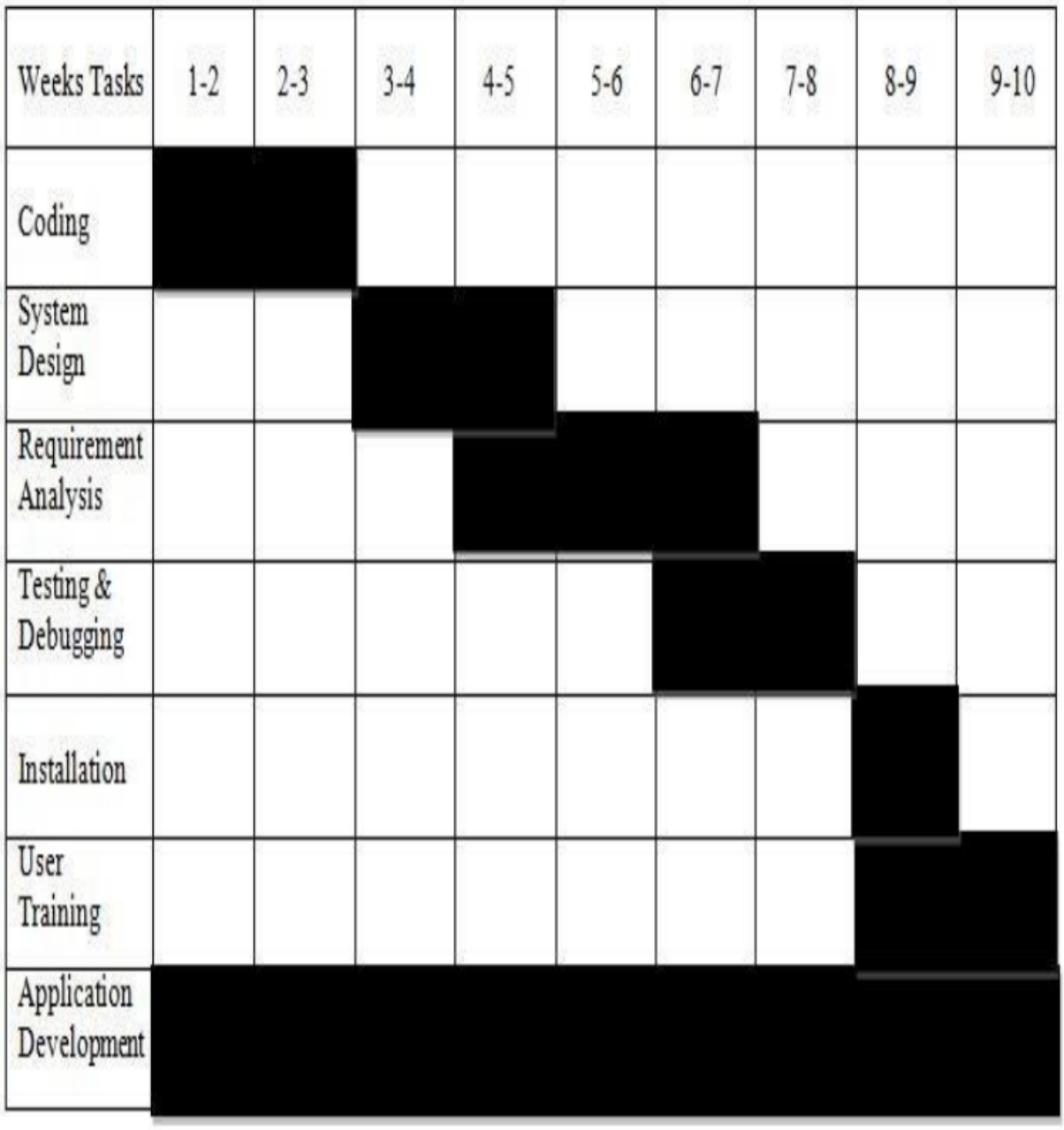

Fig5: Gnatt Chart

A Gantt chart illustrates how the project will run. It communicates with the client and shows them the expected date of project completion. It helps you assess how long a project should take, determine the resources needed, and plan the order in which you'll complete task

CHAPTER 4

WORKING

4.1 Working

The database was designed on PHPMYADMIN for the project's development, the back end was built in basic PHP, and the front end employed the same basic PHP codes. Software approaches are concerned with the process of developing software - not so much with the technical elements as with the organisational aspects. Since the beginning of information technology, several software development methodologies have been utilised. A framework is a defined collection of concepts, techniques, and criteria for dealing with a certain type of problem that may be used as a reference to help us approach and handle similar challenges in the future. The goal of the framework is to provide a common structure so that developers do not have to rebuild everything from scratch and may reuse the code given. In this way, frameworks enable us to eliminate much of the labour and save a significant amount of time. Data gathering is critical to the success of a project and is also required for the project to be completed on schedule. The data in the project contains client contact information as well as their feedback/complaints, which are recorded in a database. To ensure security, only the administrator has access to the information given by customers.

A] Primary Source of Data: Primary data are the first-hand data. The necessary information was collected from day-to-day observation, problems, instructions of supervisor. Queries and personal discussion with the staff of the organization.

- Observation of working environment
- Informal discussion and interaction with the staff of the library department

B] Secondary Source of Data: The Secondary sources of data were collected in order to achieve the real and fact data as far as available.

The major sources of secondary data are as follows:

- Annual reports of the concerned organization
- Related websites

CHAPTER 5

IMPLEMENTATION

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective. The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods

5.1 Tool Selection

XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache friends, consisting mainly of the Apache HTTP Server, Maria DB database, and interpreters for scripts written in the PHP and Perl programming languages.

APACHE

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. The Apache HTTP Server ("hatted") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

Advantages of XAMPP

- It is a beginner's friendly solution package for full stack web development.
- It is an open source software package which gives an easy installation experience.

5.2 Programming Language Selection

HTML

What is HTML?

To publish information for global distribution, one needs a university-understood language, a kind of publishing mother tongue that all computers may potentially understand. The publishing language used by the World Wide Web is HTML (Hyper Text Mark-up Language)

HTML Gives Authors the means to

• Publish online documents with headings, text, tables, list, photos etc.
• Retrieve online information via hypertext links, at the click of a button

• Design forms for conducting transactions with remote services, for use in searching information, making reservation, ordering products etc.;
• Includes spreadsheets, video clips, sound clips, and other applications directly in the documents.

Some HTML Tags

<HTML>	: Starting an HTML tag
<HEAD> head	: Creating a web page's head
<TITLE>body	: Giving a web page 's body
</HEAD>	: Ending a web pages' head
</BODY>	: Ending a web pages' body
</HTML>	: Ending a web page
<FORM>	: Creating a HTML forms

HTML

HTML 4.0 extends with mechanisms for style sheets, scripting, frames embedding objects, improved support for right to left and mixed direction text, richer tables and enhancements to form, offering improved accessibilities for people with disability.

5.3 Backend Implementation

JAVA SCRIPT

JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the Self and Scheme programming languages. It is a multi- paradigm language, supporting object-oriented, imperative, and functional programming styles. The application of JavaScript to use outside of web pages for example, in PDF documents, site specific browsers, and desktop widgets is also significant

5.4 Frontend Implementation

HTML

HTML or Hyper Text Mark-up Language is the main mark-up language for creating web pages and other information that can be displayed in a web browser. HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like), within the web page content.
The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behaviour of HTML web pages

CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a mark-up language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL.
CSS is a cornerstone specification of the web and almost all webpage use CSS style sheets to describe their presentation. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colours, and fonts. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified

PHP

PHP is a server-side scripting language designed for web development but also used as a generalpurpose programming language. PHP is now installed on more than 244 million websites and million web servers. Originally created by Ramus Lard or in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Pre-processor, a recursive backronym. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page.

5.5 SOURCE CODE

ERROR

```
<?php session_start();?>
<!DOCTYPE html>
   <html >
    <head>
      <title>AgroCulture</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" />
   </head>

   <body>
      <?php
         require 'menu.php';
      ?>

      <section id="banner" class="wrapper">
         <div class="container">
            <header class="major">
               <h2>ERROR</h2>
            </header>
            <p>
               <?php
                  $page = $_SERVER['HTTP_REFERER'];
                  if(isset($_SESSION['message']) AND !empty($_SESSION['message']))
                  {
                     echo $_SESSION['message'];
                  }
                  else
                  {
                     header("Location: ../index.php");
                  }
               ?>
```

```
            </p><br />
            <a href ="<?= $page ?>" class="button special">Retry</a>


        <?php $_SESSION['message'] = ""; ?>

    </body>
</html>
```

LOGIN

```
<?php
    session_start();

    $user = dataFilter($_POST['uname']);
    $pass = $_POST['pass'];
    $category = dataFilter($_POST['category']);

    require '../db.php';

if($category == 1)
{
    $sql = "SELECT * FROM farmer WHERE fusername='$user'";
    $result = mysqli_query($conn, $sql);
    $num_rows = mysqli_num_rows($result);

    if($num_rows == 0)
    {
        $_SESSION['message'] = "Invalid User Credentialss!";
        header("location: error.php");
    }

    else
    {
        $User = $result->fetch_assoc();

        if (password_verify($_POST['pass'], $User['fpassword']))
        {
            $_SESSION['id'] = $User['fid'];
            $_SESSION['Hash'] = $User['fhash'];
            $_SESSION['Password'] = $User['fpassword'];
            $_SESSION['Email'] = $User['femail'];
            $_SESSION['Name'] = $User['fname'];
            $_SESSION['Username'] = $User['fusername'];
            $_SESSION['Mobile'] = $User['fmobile'];
            $_SESSION['Addr'] = $User['faddress'];
            $_SESSION['Active'] = $User['factive'];
            $_SESSION['picStatus'] = $User['picStatus'];
            $_SESSION['picExt'] = $User['picExt'];
```

```
            $_SESSION['logged_in'] = true;
            $_SESSION['Category'] = 1;
            $_SESSION['Rating'] = 0;

            if($_SESSION['picStatus'] == 0)
            {
               $_SESSION['picId'] = 0;
               $_SESSION['picName'] = "profile0.png";
            }
            else
            {
               $_SESSION['picId'] = $_SESSION['id'];
               $_SESSION['picName'] = "profile".$_SESSION['picId']."."$_SESSION['picExt'];
            }
            //echo $_SESSION['Email']."  ".$_SESSION['Name'];

            header("location: profile.php");
         }
         else
         {
            //echo mysqli_error($conn);
            $_SESSION['message'] = "Invalid User Credentials!";
            header("location: error.php");
         }
      }
   }
   else
   {
      $sql = "SELECT * FROM buyer WHERE busername='$user'";
      $result = mysqli_query($conn, $sql);
      $num_rows = mysqli_num_rows($result);

      if($num_rows == 0)
      {
         $_SESSION['message'] = "Invalid User Credentialss!";
         header("location: error.php");
      }

      else
      {
         $User = $result->fetch_assoc();

         if (password_verify($_POST['pass'], $User['bpassword']))
         {
            $_SESSION['id'] = $User['bid'];
            $_SESSION['Hash'] = $User['bhash'];
            $_SESSION['Password'] = $User['bpassword'];
            $_SESSION['Email'] = $User['bemail'];
            $_SESSION['Name'] = $User['bname'];
```

```
            $_SESSION['Username'] = $User['busername'];
            $_SESSION['Mobile'] = $User['bmobile'];
            $_SESSION['Addr'] = $User['baddress'];
            $_SESSION['Active'] = $User['bactive'];
            $_SESSION['logged_in'] = true;
            $_SESSION['Category'] = 0;

            //echo $_SESSION['Email']."  ".$_SESSION['Name'];

            header("location: profile.php");
        }
        else
        {
            //echo mysqli_error($conn);
            $_SESSION['message'] = "Invalid User Credentials!";
            header("location: error.php");
        }
    }
}

    function dataFilter($data)
    {
            $data = trim($data);
            $data = stripslashes($data);
            $data = htmlspecialchars($data);
            return $data;
    }

?>
```

LOGOUT

```
<?php
session_start();
            $_SESSION['logged_in'] = false;
session_unset();
session_destroy();
?>

<!DOCTYPE html>
<html>
<head>
        <title>AgroCulture: LogOut</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]-->
        <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" />
    </head>

<body>
    <?php
        require 'menu.php';
      ?>
    <section id="banner">
                <div class="container">
            <header class="major">
              <h2>Thanks for visiting !!!</h2>
                                <center>
                <p>You have been succesfully logged out !!!</p>
                <div class="6u 12u$(xsmall)">
                                                <br />
                  <a href="../index.php" class="button special">HOME</a>
                </div>
              </center>
            </header>
            </div>
        </div>
      </section>

                <script src="../assets/js/jquery.min.js"></script>
        <script src="../assets/js/jquery.scrolly.min.js"></script>
        <script src="../assets/js/jquery.scrollex.min.js"></script>
        <script src="../assets/js/skel.min.js"></script>
        <script src="../assets/js/util.js"></script>
        <script src="../assets/js/main.js"></script>
</body>
</html>
```

MENU

```
<?php
	if(isset($_SESSION['logged_in']) AND $_SESSION['logged_in'] == 1)
	{
		$loginProfile = "My Profile: ". $_SESSION['Username'];
		$logo = "glyphicon glyphicon-user";
		if($_SESSION['Category']!= 1)
		{
			$link = "profile.php";
		}
		else {
				$link = "../profileView.php";
		}
	}
	else
	{
		$loginProfile = "Login";
		$link = "../index.php";
		$logo = "glyphicon glyphicon-log-in";
	}
?>

<!DOCTYPE html>
			<header id="header">
				<h1><a href="index.php">AgroCulture</a></h1>
				<nav id="nav">
					<ul>
						<li><a href="../index.php"><span class="glyphicon glyphicon-home"></span> Home</a></li>
						<li><a href="../myCart.php"><span class="glyphicon glyphicon-shopping-cart"> MyCart</a></li>
						<li><a href="<?= $link; ?>"><span class="<?php echo $logo; ?>"></span><?php echo " ". $loginProfile; ?></a></li>
						<li><a href="../market.php"><span class="glyphicon glyphicon-grain"> Digital-Market</a></li>
						<li><a href="../blogView.php"><span class="glyphicon glyphicon-comment"> BLOG</a></li>
					</ul>
				</nav>
			</header>

	</body>
</html>
```

PROFILE

```
<?php
   session_start();

   if ( $_SESSION['logged_in'] != 1 )
   {
    $_SESSION['message'] = "You must log in before viewing your profile page!";
    header("location: error.php");
   }
   else
   {

     $email =  $_SESSION['Email'];
     $name =  $_SESSION['Name'];
     $user =  $_SESSION['Username'];
     $mobile = $_SESSION['Mobile'];
     $active = $_SESSION['Active'];
   }
?>

<!DOCTYPE html>
   <html >
    <head>
      <title>AgroCulture</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" />
   </head>

   <body>
      <?php
         require 'menu.php';
      ?>

      <section id="banner" class="wrapper">
```

```
<div class="container">
  <header class="major">
    <h2>Welcome</h2>
  </header>
  <p>
  <?php
    if ( isset($_SESSION['message']) )
    {
      echo $_SESSION['message'];
      unset( $_SESSION['message'] );
    }
  ?>
  </p>

  <?php
    if ( !$active )
    {
      echo
      "<div>
        Account is not verified! Please confirm your email by clicking
        on the email link!
      </div>";
    }
  ?>
   <h2><?php echo $name; ?></h2>
   <p><?= $email ?></p>

  <?php if($_SESSION['Category'] == 1): ?>
    <div class="row uniform">
      <div class="6u 12u$(xsmall)">
        <a href=../profileView.php class="button special">My Profile</a>
      </div>
      <div class="6u 12u$(xsmall)">
        <a href="logout.php" class="button special">LOG OUT</a>
      </div>
    </div>
  <?php else: ?>
    <div class="row uniform">
      <div class="6u 12u$(xsmall)">
        <a href=../market.php class="button special">Digital Market</a>
      </div>
      <div class="6u 12u$(xsmall)">
        <a href="logout.php" class="button special">LOG OUT</a>
      </div>
    </div>

  <?php endif; ?>
```

```
   </body>
</html>
```

SIGNUP

```
<?php
   session_start();

if ($_SERVER["REQUEST_METHOD"] == "POST")
{
$name = dataFilter($_POST['name']);
$mobile = dataFilter($_POST['mobile']);
$user = dataFilter($_POST['uname']);
$email = dataFilter($_POST['email']);
$pass =          dataFilter(password_hash($_POST['pass'], PASSWORD_BCRYPT));
$hash = dataFilter( md5( rand(0,1000) ) );
$category = dataFilter($_POST['category']);
   $addr = dataFilter($_POST['addr']);

$_SESSION['Email'] = $email;
   $_SESSION['Name'] = $name;
   $_SESSION['Password'] = $pass;
   $_SESSION['Username'] = $user;
   $_SESSION['Mobile'] = $mobile;
   $_SESSION['Category'] = $category;
   $_SESSION['Hash'] = $hash;
   $_SESSION['Addr'] = $addr;
   $_SESSION['Rating'] = 0;
}


require '../db.php';

$length = strlen($mobile);

if($length != 10)
{
$_SESSION['message'] = "Invalid Mobile Number !!!";
header("location: error.php");
die();
}

if($category == 1)
{
   $sql = "SELECT * FROM farmer WHERE femail='$email'";

   $result = mysqli_query($conn, "SELECT * FROM farmer WHERE femail='$email'") or
die($mysqli->error());
```

```
if ($result->num_rows > 0 )
{
   $_SESSION['message'] = "User with this email already exists!";
   //echo $_SESSION['message'];
   header("location: error.php");
}
else
{
      $sql = "INSERT INTO farmer (fname, fusername, fpassword, fhash, fmobile, femail, faddress)
                        VALUES ('$name','$user','$pass','$hash','$mobile','$email','$addr')";

      if (mysqli_query($conn, $sql))
      {
         $_SESSION['Active'] = 0;
      $_SESSION['logged_in'] = true;

      $_SESSION['picStatus'] = 0;
      $_SESSION['picExt'] = png;

      $sql = "SELECT * FROM farmer WHERE fusername='$user'";
      $result = mysqli_query($conn, $sql);
      $User = $result->fetch_assoc();
      $_SESSION['id'] = $User['fid'];

      if($_SESSION['picStatus'] == 0)
      {
         $_SESSION['picId'] = 0;
         $_SESSION['picName'] = "profile0.png";
      }
      else
      {
         $_SESSION['picId'] = $_SESSION['id'];
         $_SESSION['picName'] = "profile".$_SESSION['picId']."."$_SESSION['picExt'];
      }

      $_SESSION['message'] =

            "Confirmation link has been sent to $email, please verify
            your account by clicking on the link in the message!";

      $to      = $email;
      $subject = "Account Verification ( ArtCircle.com )";
      $message_body = "
      Hello '.$user.',

      Thank you for signing up!

      Please click this link to activate your account:
```

```
        http://localhost/AgroCulture/Login/verify.php?email=".$email."&hash=".$hash;

        //$check = mail( $to, $subject, $message_body );

        header("location: profile.php");
        }
        else
        {
           //echo "Error: " . $sql . "<br>" . mysqli_error($conn);
           $_SESSION['message'] = "Registration failed!";
        header("location: error.php");
        }
   }
}

else
{
   $sql = "SELECT * FROM buyer WHERE bemail='$email'";

   $result = mysqli_query($conn, "SELECT * FROM buyer WHERE bemail='$email'") or
die($mysqli->error());

   if ($result->num_rows > 0 )
   {
      $_SESSION['message'] = "User with this email already exists!";
      //echo $_SESSION['message'];
      header("location: error.php");
   }
   else
   {
        $sql = "INSERT INTO buyer (bname, busername, bpassword, bhash, bmobile, bemail,
baddress)
                        VALUES ('$name','$user','$pass','$hash','$mobile','$email','$addr')";

        if (mysqli_query($conn, $sql))
        {
           $_SESSION['Active'] = 0;
        $_SESSION['logged_in'] = true;

        $sql = "SELECT * FROM buyer WHERE busername='$user'";
        $result = mysqli_query($conn, $sql);
        $User = $result->fetch_assoc();
        $_SESSION['id'] = $User['bid'];

        $_SESSION['message'] =

              "Confirmation link has been sent to $email, please verify
              your account by clicking on the link in the message!";
```

```
        $to      = $email;
        $subject = "Account Verification ( ArtCircle.com )";
        $message_body = "
        Hello '.$user.',

        Thank you for signing up!

        Please click this link to activate your account:

        http://localhost/AgroCulture/Login/verify.php?email=".$email."&hash=".$hash;

        //$check = mail( $to, $subject, $message_body );

        header("location: profile.php");
        }
        else
        {
           //echo "Error: " . $sql . "<br>" . mysqli_error($conn);
           $_SESSION['message'] = "Registration not successfull!";
        header("location: error.php");
        }
   }
}

function dataFilter($data)
{
$data = trim($data);
        $data = stripslashes($data);
$data = htmlspecialchars($data);
        return $data;
}

?>
```

CHAPTER 6

RESULTS AND SNAPSHOTS

6.1 Backend

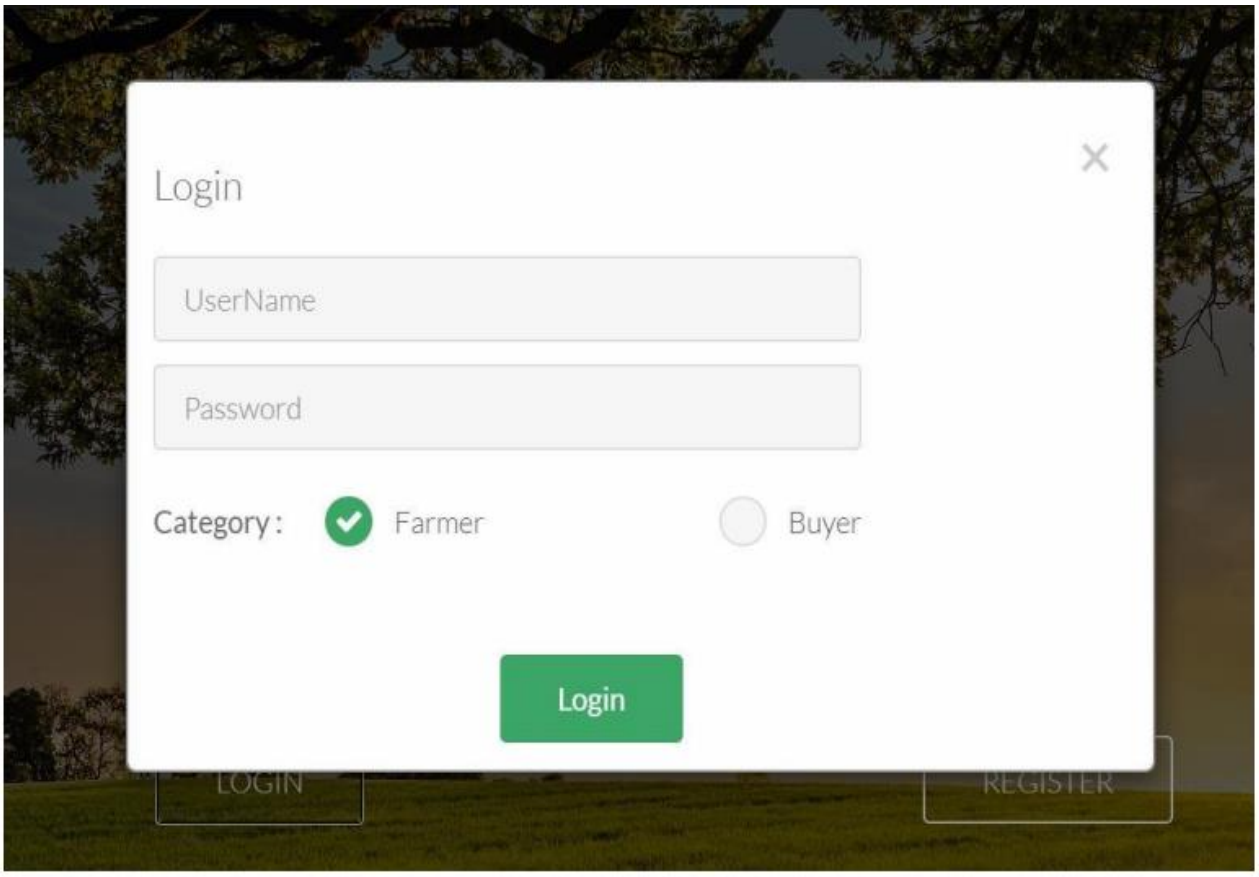

Fig6: Farmer Login

6.2 Frontend

Fig7: Home page

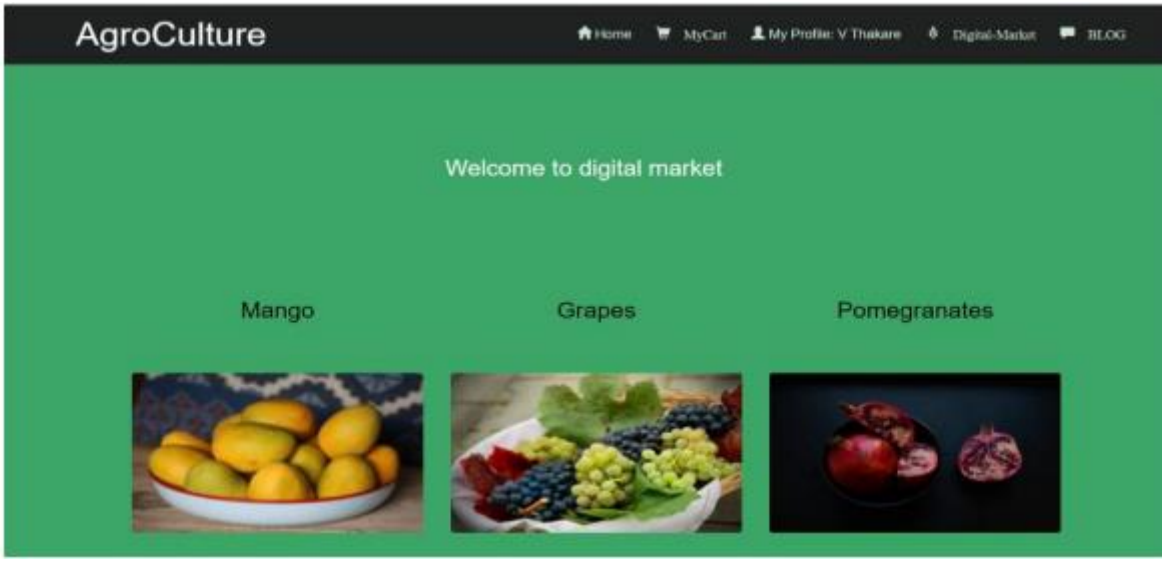

Fig8: Products

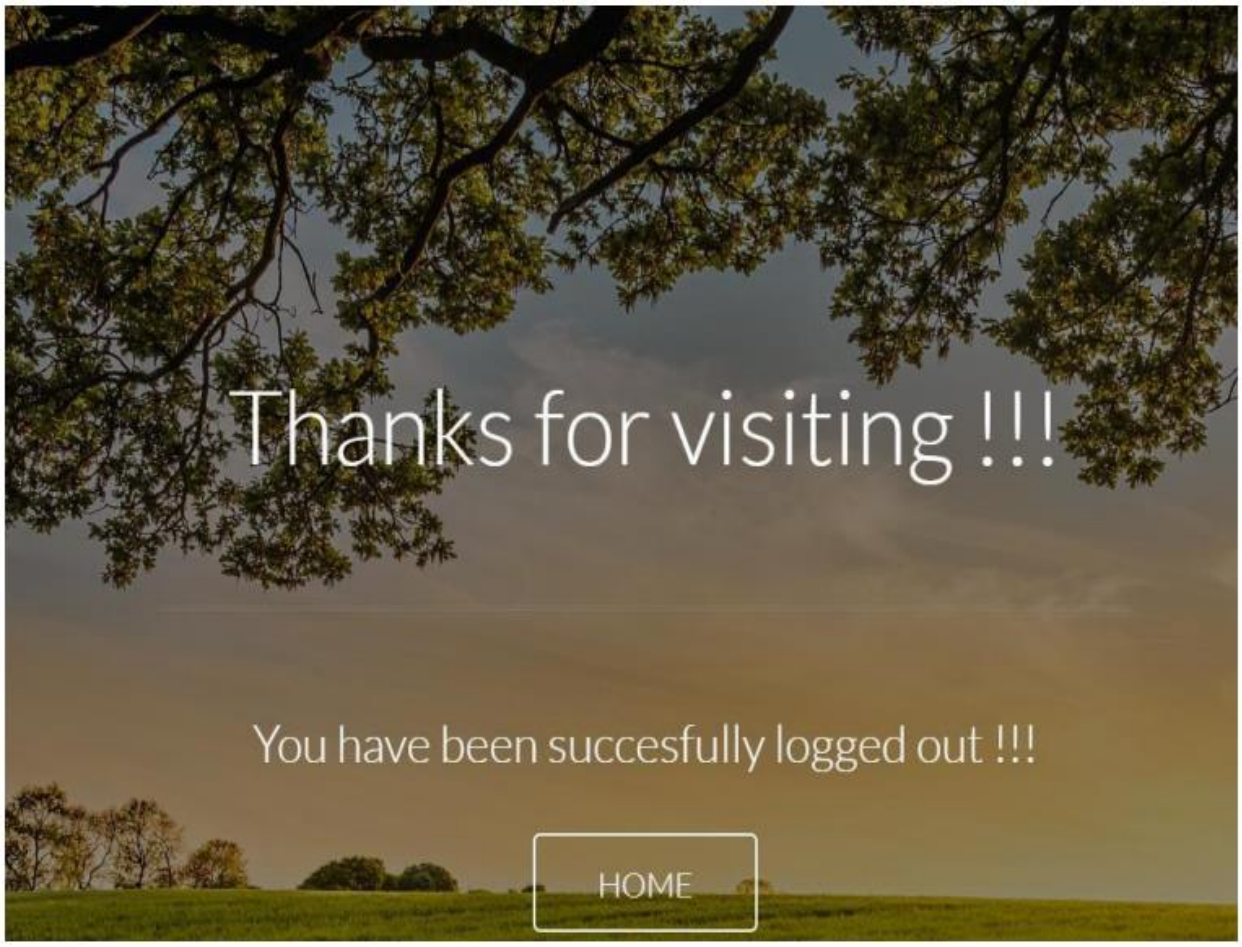

Fig9: Member Logout

CONCLUSION

Traditional agricultural product marketing has several problems. Farmers are pushing for the use of "AgroCulture" for agricultural goods. We built a platform where farmers may sell their agricultural products directly to customers via an internet platform with no broker (charges). Farmers gain, and buyers benefit by receiving agricultural products at a fair price. Many websites have supplied agriculture ideas and explained how to attain successful farming; each website presents a variety of concepts that have aided farmers. The websites that reach many hands and are a very useful web application that has genuine alternatives such as selling things directly to buyers and obtaining product information.

Agroculture System will make better connection among Farmers and Buyers ensure quality food. Standardize and increase efficiency of Agroculture process. We drive agroculture transactions through our digital platform. In Combination with our server partnership network.Agro market place accommodates online payments between buyers and farmers, product quality check options and end to end logistic services. Agro marketplace accommodates direct transactions between buyers and farmers. all the intermediate supply chain stages are covered by agro mp and our partnership network

REFRENCES

[1] Acharya, S.S. and Agarwal N.L. “Agricultural Modernization in India”, Oxford IHB publishing Pvt ltd, New Delhi, 1992.
[2] Economic Survey 2013-14 and Central Statistics Office, Directorate of Economics and Statistics, Ministry of Agriculture, Govt. of India, Pocket Book of Agricultural Statistics- 2014, pg. 19- 23. Available from: http://www.eands.dacnet.nic.in/lates 2006.htm [1 April 2019].
[3] World Bank Data: Employment in Agriculture (% of total employment)Available:http://data.worldb ank.org/indicator/SL.AG R.EMPL.ZS[12 April 2022].
[4] N.K. Mishra ‘FAO /AFMA/ Myanmar on improving Agriculture Marketing’, Journal on Agricultural e commerce Information System. 2003, Vol 15, issue no 4, pp .no 2-4.
[5] Brithal, P. S., Jha, A. K. and Singh, H. (), “Linking Farmers to promote for top worth Agricultural Commodities' ', Agricultural economic science analysis Review, 2007, Vol. 20, pp.no. 425-439.
[6] Dhankar, G. H.,‘ Development of Internet Based Agricultural Marketing System in India’ Agricultural Marketing, 2003, vol 4, pp no. 7-16.
[7] Pathak N, “Contribution of Agriculture to the Development of Indian Economy”, and e-commerce The Journal of Indian Management and strategy, 2009 vol 14, issue no 1,pp.no 52-56,.
[8] 7. Shakeel-Ul-Rehman, M. Selvaraj and M. Syed Ibrahim “Indian Agricultural Web application for - A Review”, Asian Journal of Agriculture and Rural Development 2019.
[9] D. Dash and A. Mohapatra, “International Research Journal of Commerce and Law,” vol. 04, no. 8. Aug. 08, 2017