**CHAPTER -1**

**1.1 INTRODUCTION**

Floral Bee is a web driven application which provides best service to buy flowering plants. It is commonly not able to find the exotic and common variety of flower plant breed at local nursery, so the main aim of this web site is to provide variety of flower plants in a single platform and Customers can easily make order through our online website. It is a customized web based application that provides the customer to buy the plants and book their favourite plants and meet their requirements.

* 1. **OBJECTIVE OF THE SYSTEM**
* To make more affordable compare to local nurseries.
* To provide basic information about the flower plants.
* To provide a high quality of flower plant.
  1. **LANGUAGES**
* Front-end: HTML, CSS, JS
* Database: mySQL
* Back-end-PHP
* Web server-Apache
  1. **PROJECT MODULE**
     1. **Admin**
* Login
* Manage plant details: add plant, view plant, delete plant
* View customer information
* View order details
* Supplier information

* + 1. **Customer**
* Register
* Login
* View plant details
* Add to cart
* Purchase

**Chapter-2**

**REQUIREMENT ANALISIS**

* 1. **EXISTING AND PROPOSED SYSTEM** 
     1. Existing System

Collecting the information from various sources we get to know that if people want to buy flower plants its necessary that they need to contact nursery directly and it is not possible for customer to compare the price, quality etc of flower plants. If a customer needs a plant he visits a nursery where, if he could not find the particular plant which he wishes so it will be a time consuming process for the customer.

Disadvantage:

* Customer has to come from his place to purchase the product.
* Customer will not get more information about flower plant.
* High Labour cost.
* Choice of plants available in the nursery is limited.
  + 1. Proposed System

In the Proposed System its main aim of this web site is to provide variety of flower plants in a single platform. It also provides basic information about plants like common diseases occurring to plant, fertilizers used, amount of water required and suitable climate for flower plant.

Advantages

* It saves time and efforts.
* The convenience of shopping at home.
* We have Several variety of plants available.
  1. **TOOLS AND TECHNOLOGY USED**

2.2.1 Visual Studio code

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages and runtimes (such as C++, C#, Java, Python, PHP, Go, .NET).

* + 1. XAMPP Toolkit

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache friends, mainly of the Apache HTTP server. MYSQL database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMP, it makes transitioning from a local test server to a live server possible.

### Features of XAMPP

* XAMPP is regularly updated to the latest releases of Apache, MariaDB, PHP and Perl.
* It also comes with a number of other modules including OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress and more.
* Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another.
* XAMPP is offered in both a full and standard version (Smaller version).

2.2.3 **PHP Scripting Language**

PHP is a popular general-purpose scripting language that is especially suited to web development. It was created by Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Pre-processors. PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control

**2.2.4 MySQL Database**

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter and "SQL", the abbreviation for Structured Query Language. MySQL is free and open-source software under the terms of the GNU General Public License and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.

2.2.5 Apache server

Apache is an open-source and free web server software that powers around 40% of websites around the world. The official name is Apache HTTP Server, and it‘s maintained and developed by the Apache Software Foundation. It allows website owners to serve content on the web, hence the name webserver. It is one of the oldest and most reliable web servers, with the first version released more than 20 years ago, in 1995. When someone wants to visit a website, they enter a domain name into the address bar of their browser. Then, the webserver delivers the requested files by acting as a virtual delivery man. Here at Hostinger, our web hosting infrastructure uses Apache in parallel with GIX, which is popular web server software. This particular setup allows us to get the best of both worlds. It greatly improves server performance be compensating the weaker sides of one software with the strengths of another.

* 1. HARDWARE AND SOFTWARE REQUIREMENTS
     1. Software Requirement
* Operating System: Windows 7 or above
* Front End : Html, JS,CSS
* Back End : MySQL
* IBE: Visual Studio Code
* XAMPP
  + 1. Hardware Requirement
* Hard disk:10GB or Above
* RAM:1GB or Above
* Input Devices: Mouse, Keyboard
* Output Devices: Monitor, Printer

**CHAPTER 3:**

**SOFTWARE REQUIREMENT SPECIFICATION(SRS)**

**3.1 INTRODUCTION**

A software requirements specification (SRS) is a document which gives cpmplete description about how the system is expected to perform. It is usually signed off at the end of requirements engineering phase.  An SRS document is a project manual that a software programmer or technical writer writes before working on a product.

Qualities of SRS:

* Correct
* Unambiguous
* Complete
* Consistent
* Verifiable
* Modifiable
* Traceable
  + 1. **FUNCTIONAL REQUIREMENT**
* Admin
* Admin is the person who manage the entire application.
* Admin has authority to add new items, remove items and give permission to other users to access the system.
* Admin can also modify the price of the items whenever required or felt like.
* Customer
* The users are the customers who register into the application and logs in to the application and searches for the required flower plant.

3.2.2 NON-FUNCTIONAL REQUIREMENT

Non-Functional Requirement (NFR) specifies the quality attribute of a software system. They judge the software system based on Responsiveness, Usability, Security, Portability and other non-functional standards that are critical to the success of the software system. Example of non-functional requirement, *“how fast does the website load?”* Failing to meet non-functional requirements can result in systems that fail to satisfy user needs.

* Portability

This System uses simple programming languages and can run on any system and

* Usability

This system is easy to use and it has user friendly environment. It has

Easily understandable interfaces

* Security

System will use secure database and users can just edit/ read information but they cannot edit or modify anything except their personal information.

* Performance

Any number of users can access to the system at any time and server will be working 24X7 times.

**CHAPTER -4**

**ANALYSIS AND DESING**

**4.1 ER-DIAGRAM**

**4.2**

**CHAPTER-6**

**Implementation**

**Modules**

* Admin

The admin login into the system with his username and password.

Admin can perform many kind of operation. Admin can add new plants to the system.

He can also update the information about the plants .Admin can View all customer information who are logged in to the system and he can delete any users from the system.

* Customer

Customer first register to website by filling required details like name, password etc and he login to System with his username and password. Each customer has its own username and password. After that customer can view required plant details and can order them according to his needs.

1. **Admin Login Form**

Admin login to system using username and password. password are stored in encrypted format.

1. **Admin Dashboard**

Admin Dashboard contains different set of Information

which are listed below:

* + 1. **Customer Login information**

It contains all the customer information whose registered to system.

1. **Information**

It contains list of information about the flower plant present in the website

1. **Order details**

This contains all the information about the orders placed by the customers.

1. **Customer Information**

This Contains All the customer information about the customer who are register to system.

1. **Customer Registration Form**

Customer fill the registration form with Required information .All the details entered to form are stored into system and password is encrypted.

1. **Customer Login Form**

Customer login to system using username and password entered during the registration.

1. **Customer Dashboard**

Customer Dashboard gives set of sub modules as listed below:

1. **Plant List**

Plant list contains all the list flower plant available in system and customer can view the list and get the required information before buys any of them.

1. **Wish list**

If customer likes any plants but wants to buy it after few days then he can add item to wish list.

1. **Cart**

Cart contains list of all the plants that customer wanted to buy. once he adds the plant to cart then he can purchase the plant by giving filling the proper details and he can also continue shopping if he wish to.

**Testing**

1. **Admin**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Action** | **Inputs** | **Expected**  **Output** | **Actual**  **Output** | **Test**  **Result** |
| 1 | Admin clicks on login button | Inputs are not given | Valid username required Password Required | Valid username required Password Required | Please fill out the fields |
| 2 | Input valid username and password and hit login button. | Username :Prasad Password: \*\*\*\*\*\* | Login is to be successful | Login successful | Successful |
| 3 | username is blank but password is entered. | Password:  \*\*\*\*\*\* | Valid username is to be required | Valid username required | please fill the username field |
| 4 | If password is blank but username is entered. | Username: prasad | Password required | Password required | Please fill the password field |
| 5 | The username or password is incorrect | Username: xyz  Password: \*\*\*\*\*\* | Valid username required Password Required | Valid username required Password Required | Incorrect email and password |

1. **User Entry:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No. | Action | Input | Expected Output | Observed Output |
| 1. | Opens Page | NO | Login Page | Login page |
| 2. | Clicks Register Button | No | Registration page | Registration page |

1. **Login Page:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No. | Action | Input | Expected Output | Observed Output |
| 1. | Inputs Username | Invalid Username | Invalid Credentials | Invalid Credentials |
| 2. | Inputs Password | Invalid Password | Invalid Credentials | Invalid Credentials |
| 3. | Input Username and Password | Valid  Username and  Password | Redirect to user dependent home page | Redirect to user dependent home page |
| 4. | Clicks on forgot password | No | Redirect to password recovery page | Redirect to password recovery page |
| 5. | Login Button | All correct data | Login Success! | Login Success! |

1. **Registration Page:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No. | Action | Input | Expected Output | Observed Output |
| 1. | Enters Username | Invalid username | Username Exists | Username Exists |
| 2. | Enters Password | Invalid Password | Password must be alpha-numeric | Password must be alpha-numeric |
| 3. | Enters Email | Entered already registered email | Email address already registered | Email address already registered |
| 4. | Enters Email | Enters invalid Email | Invalid Email Address | Invalid Email Address |
| 5. | Enters Confirm password | Password and Confirm password do not match | Passwords Does not match | Passwords does not match |
| 7. | Register | Valid data | Account added! | successful |

**Abstraction**

Floral bee is a

**CONCLUSION:**

The ‘Flora Bee’ is design to provide a wed based Application that would make searching, viewing and selection of a product easier. The user can view the complete details about the product.