**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 that complete 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**

**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