KUVEMPU UNIVERSITY

Jnanasahyadri, Shankaraghatta, Shivamogga - 577451.

FLOWER SHOPPING WEBSITE

An Internship report in partial fulfilment of the requirements for the award of degree of

BACHELOR OF COMPUTER APPLICATION

Submitted by :

NAGARAJA G B	**U06GG22S0066**
NAGARAJ N P	**U06GG22S0058**
H P ANUJ	**U06G022S0064**
KARTHIK T	**U06GG22S0069**

Under the guidance of

SHABHAZ SHIDENUR

Lecturer

Department of Bachelor of Computer Applications
GOVERNMENT FIRST GRADE COLLEGE SAGARA
SAGARA SHIVAMOGGA – 577401

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2024-2025

GOVERNMENT FIRST GRADE COLLEGE

SAGARA SHIVAMOGGA -577401

Department of Bachelor of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled

FULL STACK DEVELOPMENT

Submitted in partial fulfilment of the requirement for the award of the degree

BACHELOR OF COMPUTER APPLICATIONS

Of

Kuvempu University, Shankaraghatta, Shivamogga, Karnataka

is a result of the bonafide work carried out

By

NAGARAJA G B	**U06GG22S0066**
NAGARAJ N P	**U06GG22S0058**
H P ANUJ	**U06G022S0064**
KARTHIK T	**U06GG22S0069**

during the academic year 2024-2025

PRACTICAL EXAMINER	HOD	PRINCIPAL
1.	**DR.SHIVARAYAPPA K** GFGC Sagara	**DR.SANNAHANUMAPPA G** GFGC Sagara
2.		

DECLARATION

We the student of 6th semester BCA **Government First Grade College** hereby declare that the internship entitle **Full Stack Development** has been independently carried out by me under the supervision of External Guide **Tekkybench -Technologies And Innovation** and Internal Guide **Shabaz Shidenur**, Dept of BCA **Government First Grade College** and submitted in partial fulfilment of the requirement for the award of degree in **BACHELOR OF COMPUTER APPLICATION** by the KUVEMPU UNIVERSITY during the academic year **2024-2025 .**

Place : Sagara

Date:29-04-2025

NAGARAJA G B

NAGARAJ N P

H P ANUJ

KARTHIK T

ACKNOWLEDGEMENT

This Internship is a result of accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We are thankful to **DR.SANNAHANUMAPPA G, Principal, GOVERNMENT FIRST GRADE COLLEGE SAGARA**, for providing the necessary facilities and for the encouragement to carry out the Internship.

We express our humble gratitude and thanks **to DR.SHIVARAYAPPA K**, Associate Professor and HOD, **Dept of BCA, GOVERNMENT FIRST GRADE COLLEGE** for guiding us and having facilitated us to complete the Internship successfully. We are very thankful to our guide **SHABAZ SHIDENUR**, Asst. Prof. Dept. of **BCA, GOVERNMENT FIRST GRADE COLLEGE** for her constant encouragement, guidance and support throughout the course of the Internship without whose efforts this would not have been possible.

We finally thank to all the Technical Staff for all the support and help while carrying out the project. Last but not the least we wish to thank our friends and parents who have been encouraging us constantly and inspiring throughout the execution of the project.

NAGARAJA G B
NAGARAJ N P
H P ANUJ
KARTHIK T

GOVERNMENT FIRST GRADE COLLEGE

SAGARA SHIVAMOGGA -577401

Department of Bachelor of Computer Applications

GUIDE's CERTIFICATE

This is to certify that the Internship work entitled ***FULL STACK DEVELOPMENT*** *carried out by* ***Mr.Nagaraja G B, 6th Semester BCA*** *under my guidance towards the partial fulfillment of the requirement for the award of the degree* ***BACHELOR OF COMPUTER APPLICATIONS from Kuvempu University, Shankaraghatta, Shivamogga, Karnataka during the academic year 2024-2025.***

Place: Sagara ***MR .SHABAZ SHIDENUR***

Date: 29-04-2025

TekkyBench Technologies and Innovation Pvt. Ltd.
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Email: contact@tekkybench.com

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Ref.: **250320004** Date: **20 March 2025**

Internship Certificate

This is to certify that MR. NAGARAJA G B (USN. U06GG22S0066) of Government First Grade College, Sagara, studying in 3rd year has successfully completed an internship at TekkyBench.

Duration: **December 10, 2024 – January 25, 2025**

Position: **Web Developer Intern**

During the internship period, they have demonstrated exceptional dedication, enthusiasm, and commitment towards their assigned tasks as a Web Development Intern. They actively participated in the "Project on Flower Delivery Website", showcasing their skills and professionalism.

During this period, the following tasks have been successfully performed:

- Collaborated with the development team to design, develop, and maintain responsive and user-friendly web applications for the assigned project, utilizing modern web technologies and frameworks.
- Assisted in website performance optimization, ensuring fast load times and a seamless user experience, while also conducting thorough testing and debugging to identify and resolve any issues.
- Actively contributed ideas and solutions during team meetings to enhance project outcomes, demonstrating effective collaboration and communication abilities.
- Showed adaptability and willingness to learn new technologies and frameworks while consistently delivering high-quality results.

Throughout their internship, they consistently displayed a strong work ethic, a passion for web development, and a commitment to delivering high-quality results. Their contributions to the project were valuable and greatly appreciated.

We believe that they have shown great potential and a promising future as a Web Developer. It was a pleasure having them as an intern at TekkyBench, and we are confident that they will continue to excel in their career.

This certificate is awarded as recognition of their successful completion of the Web Development Internship program at TekkyBench. We extend our best wishes for their continued growth and success.

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Yashodhar P
Project Manager
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Place: Sagara ***MR .SHABAZ SHIDENUR***

Date:29-04-2025

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Ref.: **250320005** Date: **20 March 2025**

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Duration: **December 10, 2024 – January 25, 2025**

Position: **Web Developer Intern**

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This is to certify that MR. H P ANUJ (USN. U06GG22S0064) of Government First Grade College, Sagara, studying in 3rd year has successfully completed an internship at TekkyBench.

Duration: **December 10, 2024 – January 25, 2025**

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This is to certify that the Internship work entitled ***FULL STACK DEVELOPMENT*** *carried out by* ***Mr.Karthik T, 6th Semester BCA*** *under my guidance towards the partial fulfillment of the requirement for the award of the degree* ***BACHELOR OF COMPUTER APPLICATIONS from Kuvempu University, Shankaraghatta, Shivamogga, Karnataka during the academic year 2024-2025.***

Place: Sagara ***MR .SHABAZ SHIDENUR***

Date: 29-04-2025

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Ref.: **250320016** Date: **20 March 2025**

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Duration: **December 10, 2024 – January 25, 2025**

Position: **Web Developer Intern**

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CHAPTER I

INTRODUCTION

1.1 INTRODUCTION:-

Welcome to flowerspot Your Premier Flower Delivery Service At flowerspot, we bring smiles and emotions to life with our fresh and beautifully arranged flowers, delivered right to your doorstep. Whether it's a birthday, Valentine's Day, wedding, anniversary, or a solemn occasion like a funeral, our platform offers a stunning variety of floral arrangements to suit every moment.

Our website is designed with you in mind—easy to navigate, simple to use, and packed with features that make ordering flowers quick, secure, and stress-free. Browse through our curated categories, pick the perfect bouquet, choose your preferred delivery date and time, and even include a heartfelt personalized message.

We offer multiple secure payment options including credit/debit cards, PayPal, and other trusted gateways for your peace of mind. With real-time order tracking and timely delivery updates, you'll always know the status of your order.

Enjoy exclusive features like advanced search, customer reviews and ratings, exciting discounts, and promo codes for our loyal customers. Need assistance? Our dedicated customer support team is available 24/7 via chat, email, or phone to help with anything you need.Experience convenience, reliability, and joy—delivered fresh, only at flowerspot.

1.2 COMPANY PROFILE

TekkyBench – Revolutionary Technological Solutions

TekkyBench – Technologies and Innovation was established with a clear and ambitious purpose:To deliver customized, high-quality technology solutions that align perfectly with the unique demands of our clients.

We understand that no two businesses are alike—and in today's fast-paced digital world, customized solutions are not a luxury, but a necessity.Specializing in small and local businesses, TekkyBench thrives on empowering these enterprises to build a compelling and effective digital presence. By offering cost-effective services without compromising on quality, we ensure our clients are equipped to compete and grow in the digital marketplace.

We emphasize two core principles in every solution we create:

1. Enhancing market reach for our clients' products and services.

2. Digitizing business operations to drive efficiency, productivity, and scalability.

As a forward-thinking tech company, TekkyBench - Technologies and Innovation delivers a broad range of services, including:

Website Design, Development, and Ongoing Maintenance

Search Engine Optimization (SEO) & Social Media Optimization

(SMO) Digital Marketing Campaigns

Mobile Application Development

With a strong focus on innovation, we aim to be recognized as a pioneering software development firm in Bangalore, India. Our mission is to offer unconventional, practical, and innovative solutions that help businesses thrive in an evolving tech ecosystem.

What sets TekkyBench apart is our deep, collaborative approach. We believe true innovation starts with truly listening. Through open dialogue and brainstorming with clients, we often uncover deeper insights that redefine their original vision or reveal untapped opportunities. This agility and client-centric mindset form the foundation of our consulting approach.

1.3 ABOUT THE COMPANY

TekkyBench is a visionary startup transforming education through real-world application.We blend learning with live project experience to shape job-ready professionals.Our platform connects students, local businesses, and freelance educators in one powerful network. Students gain hands-on exposure, sharpen their skills, and receive expert mentorship.We believe in learning by doing—and doing with purpose.Local businesses benefit from affordable, customized digital services.From web design and SEO to logo creation and Android app development—we cover it all.Our solutions help small businesses grow online and reach their ideal customers. Freelance teachers find a platform to teach, earn, and inspire.With a 95% revenue share, educators are truly rewarded for their expertise. TekkyBench bridges the gap between classrooms and careers.We create opportunities for learners and value for businesses—simultaneously.Every project is a chance to learn, build, and make an impact. Our ecosystem thrives on collaboration, innovation, and real-world results. Visit tekkybench.com—where knowledge meets action, and everyone grows together.

1.4 PROJECT SCOPE

1. Digital Flower Shopping Experience:-

-Users will have the ability to explore a curated catalog of floral products, choose their desired items, and seamlessly complete purchases through a secure online payment system.

2. Diverse Delivery Methods:-

-The platform will provide various delivery preferences such as same-day service, expedited delivery, and scheduled delivery at specific time slots for maximum convenience.

3. Personalized Floral Orders:-

-Customers can tailor their purchases by selecting flower types, arrangement styles, colo themes, complementary items (like greeting cards or gifts), and leave personalized notes.

1.5 OBJECTIVES

Display Homepage Content

-Enable visitors to easily access and explore the homepage, showcasing key offerings and updates.

Present Company Information

-Provide users with a comprehensive overview of the company, its mission, values, and services.

Showcase Product Listings

Allow customers to browse the full range of floral products, including descriptions, images, and pricing.

1.6 FEASIBILITY ASSESSMENT

1. Technical Viability:

Required Technologies: Outline the core technical components essential for building the website, including server infrastructure, CMS platforms, online transaction systems, and integration tools for payment processing.

Development Capabilities: Evaluate the accessibility of proficient professionals such as web developers, graphic designers, and IT specialists to construct, deploy, and manage the website **effectively.**

2. Financial Viability:

Budget Evaluation: Provide a breakdown of anticipated expenditures covering all stages of the project—user interface design, programming, quality assurance, promotional activities, and routine upkeep.

CHAPTER II
LITERATURE SURVEY

2.1 HARDWARE REQUIREMENTS

Selecting the appropriate hardware setup is crucial for the successful operation of the software. Inadequate system resources—particularly low RAM—can lead to reduced performance and system lags. To ensure smooth execution and data management, the system must be equipped with a capable processor, adequate memory, and ample storage space.

Server Configuration

Client Configuration:

- CPU: Intel Core i3 or above
- RAM: Minimum of 2GB
- Storage: At least 30GB of available disk space

System Requirements: Any standard desktop or laptop capable of running a modern web browser (e.g., Chrome, Firefox, Edge)

2.2 SOFTWARE REQUIREMENTS

1. Server Side
   - HTML
   - CSS
   - PHP
   - MYSQL
2. Client Side
   - Basic Computer with Any web browser installed.

HTML – HyperText Markup Language

HTML (HyperText Markup Language) is the foundational language used to design and structure content on the web. It acts as the skeleton of web pages, organizing text, images, links, and multimedia elements into a readable and interactive format for users.

Together with CSS (Cascading Style Sheets) and JavaScript, HTML forms the core trio of technologies that power most websites on the World Wide Web.

Web browsers interpret HTML files, whether sourced from a server or stored locally, and render them into visually engaging pages. While HTML itself outlines the semantic structure—like headings, paragraphs, and lists—it originally also handled presentation aspects, although modern standards encourage using CSS for styling instead.

HTML consists of elements, each defined by tags enclosed in angle brackets (e.g., , <a>, <img />). These tags tell the browser how to display and organize content. Some tags, like <input />, are self-contained, while others, like <p>, wrap around content and may include nested tags. Moreover, HTML supports the integration of JavaScript to enhance interactivity and dynamic behavior. Styling and layout are handled via CSS, allowing developers to separate content from design.

A] Functional Requirements

1. Website Interface Development

Build an engaging and fully responsive website utilizing HTML, CSS, and JavaScript. Ensure the website performs consistently across various web browsers and devices, including smartphones and tablets.

2. Content Creation and Management System

Implement a user-friendly system for managing web content using front-end technologies. Enable users to add, update, and manage content without technical expertise.

3. Optimization for Search Engines

Structure the website and content using best practices for SEO, including the use of appropriate HTML tags and metadata. Enhance visibility on search engines to increase organic traffic.

B] Non-Functional Requirements

1. Site Performance

The website should load efficiently, with pages rendering in under 3 seconds to enhance user experience. Performance must be optimized to manage large-scale data and heavy user traffic without delays or crashes.

2. Data Protection and Security

Adopt strong security protocols to safeguard sensitive user information and defend against unauthorized access. All data exchanges must occur over encrypted channels using HTTPS and other secure communication standards.

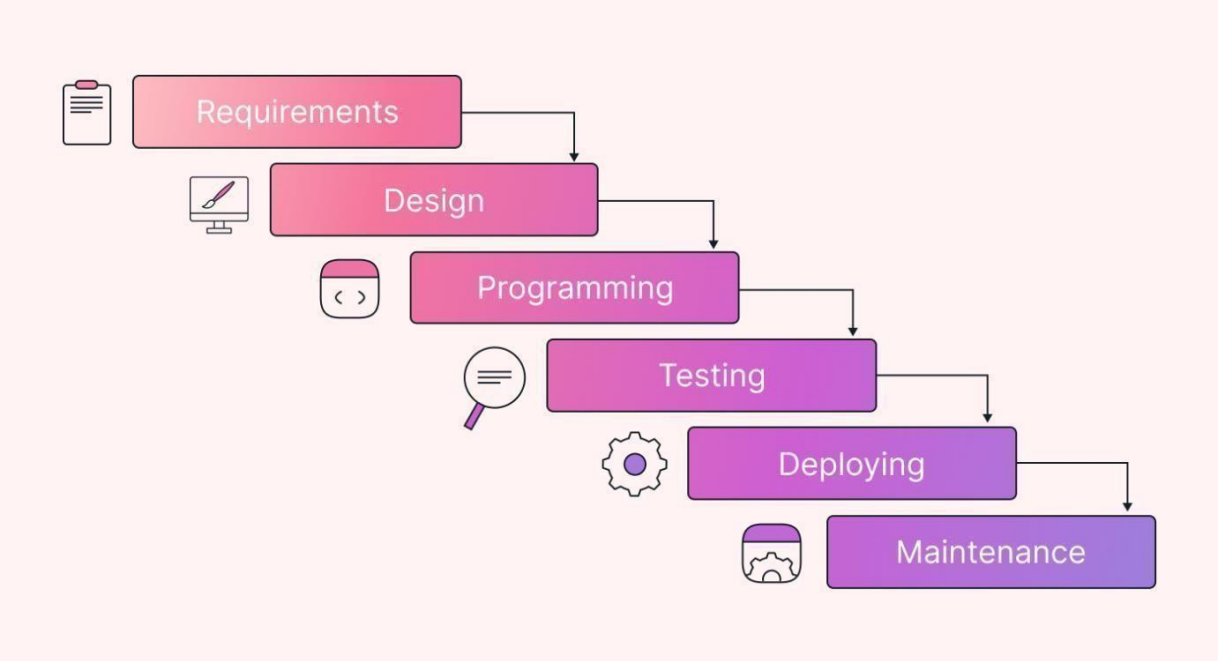
3. User Experience (UX)

The interface must be easy to navigate and designed for a smooth user interaction. Regular usability testing should be performed to gather insights and continuously refine the user experience.

CHAPTER III

PROJECT DESIGN

3.1 DESIGN DETAILS OF MODULES



- Requirements: This is the initial phase where the project's goals and objectives are defined. It involves gathering and documenting all necessary requirements for the software.

- Design: Based on the gathered requirements, the system's architecture, interfaces, and data structures are designed. This phase outlines how the software will function.

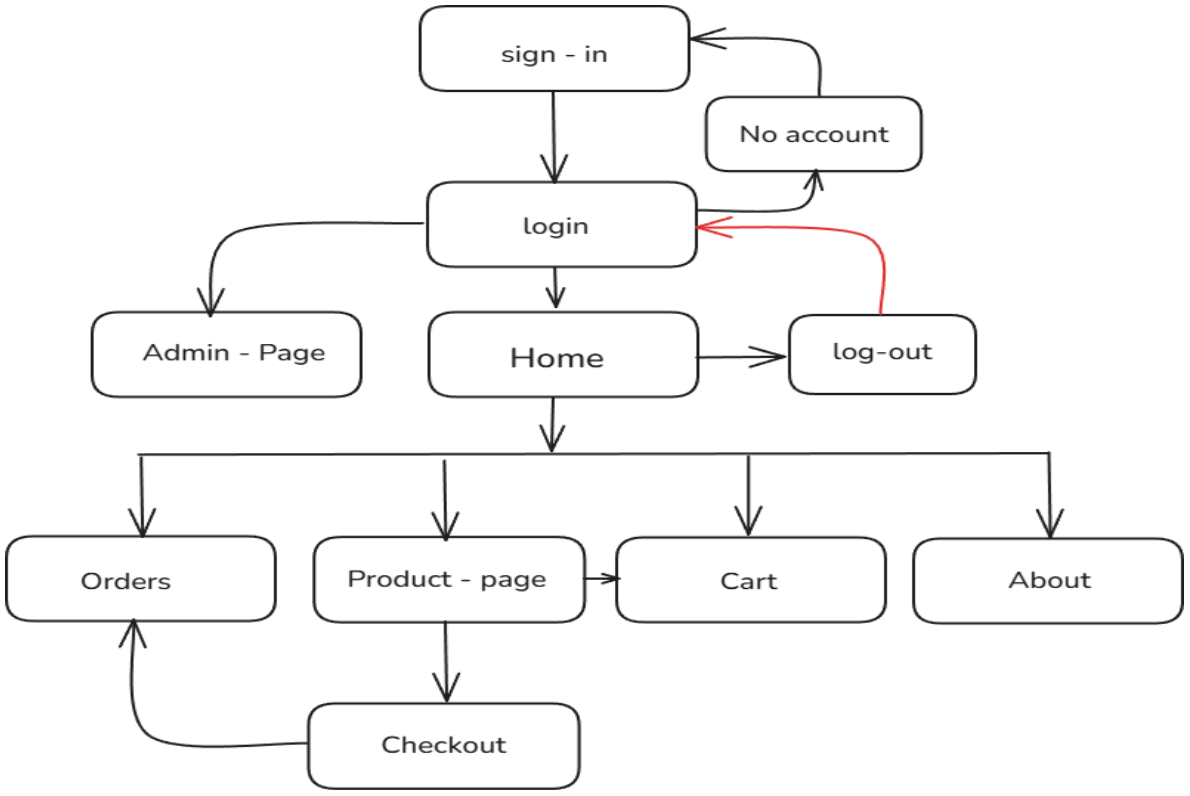
- Programming: The actual coding of the software begins in this phase. Developers write the code to implement the design specifications.

- Testing: Once the code is written, it undergoes rigorous testing to identify and fix defects. This phase ensures the software meets the specified requirements.

- Deploying: The software is deployed into the production environment after successful testing. It's made available to end-users.

- Maintenance: Ongoing support and updates are provided to the software. This includes bug fixes, enhancements, and adaptations to changing needs.

3.2 ARCHITECTURE DIAGRAM



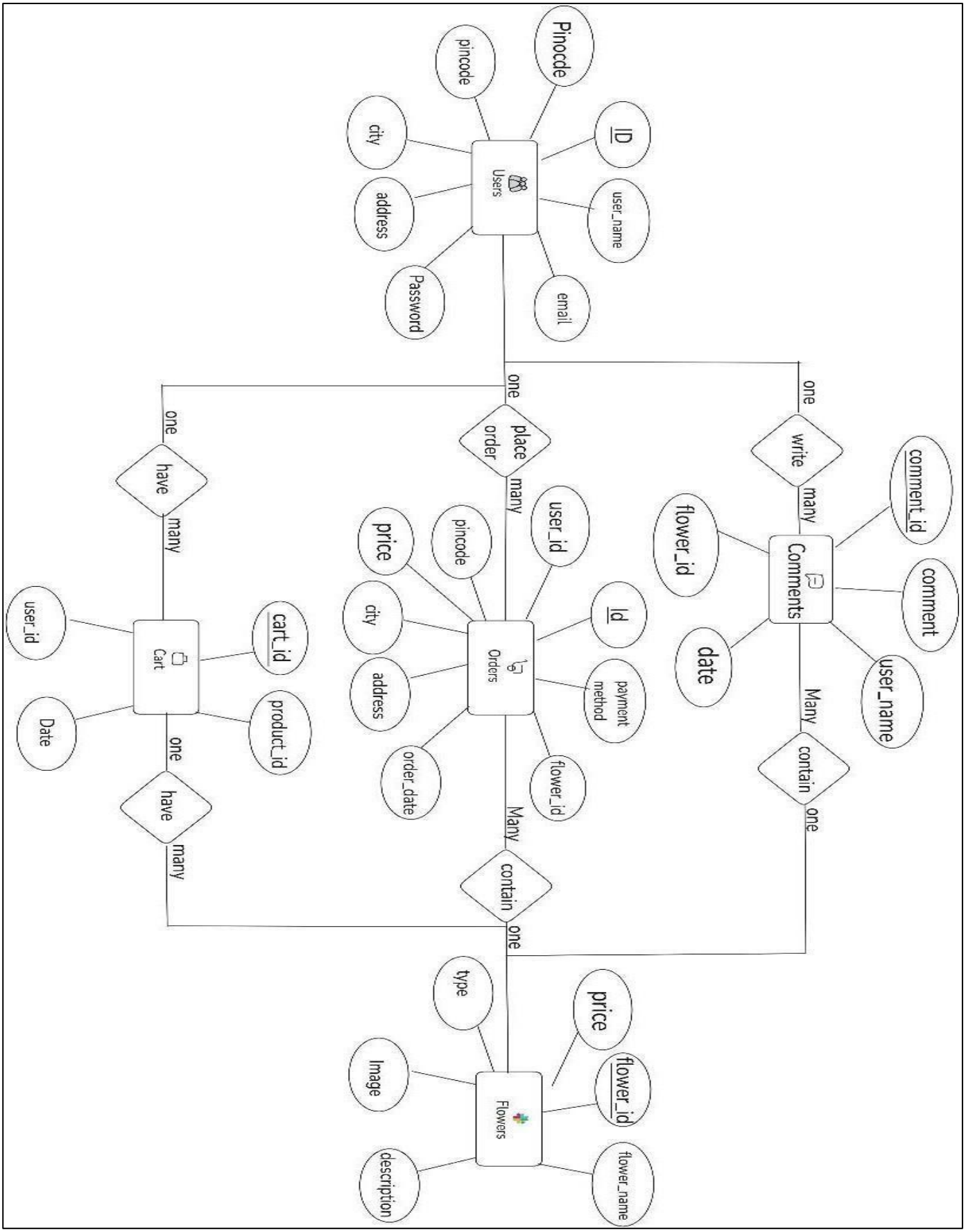
It appears to be a simple user navigation flow for a website with login functionality.

- The flow begins with a Sign-in page that leads to the Login page.
- If the user does not have an account, they are redirected to the Sign-in page from the Login screen.
- After successful login, users are directed to the Home page.
- There's a Log-out option from the Home page, which leads back to the Login page.
- From the Home page, users can navigate to:
- Orders
- Product Page
- Cart
- About
- From the Product Page, users can proceed to Checkout.
- After Checkout, the flow leads to Orders.
- Admin has his own email and password. If the admin logs in with the correct credentials, they are redirected directly to the Admin Page

CHAPTER IV

DATABASE DESIGN

4.1 ER DIAGRAM



4.2 USER TABLE

Attribute	Type	Length
id	int	11
User_name	varchar	50
email	varchar	50
password	varchar	100
address	varchar	100
city	varchar	25
pincode	varchar	10
reg_date	date	-

4.3 ORDER TABLE

Attribute	Type	Length
id	int	11
User_id	int	11
address	varchar	255
city	varchar	100
pincode	varchar	10
Payment_method	varchar	50
Order_date	date	-
Flower_id	int	11
price	varchar	11

4.4 FLOWER TABLE

Attribute	Type	Length
Flowet_id	int	11
Flower_name	varchar	50
Price	int	11
Description	varchar	250
Image	varchar	100
type	varchar	25

4.5 COMMENTS TABLE

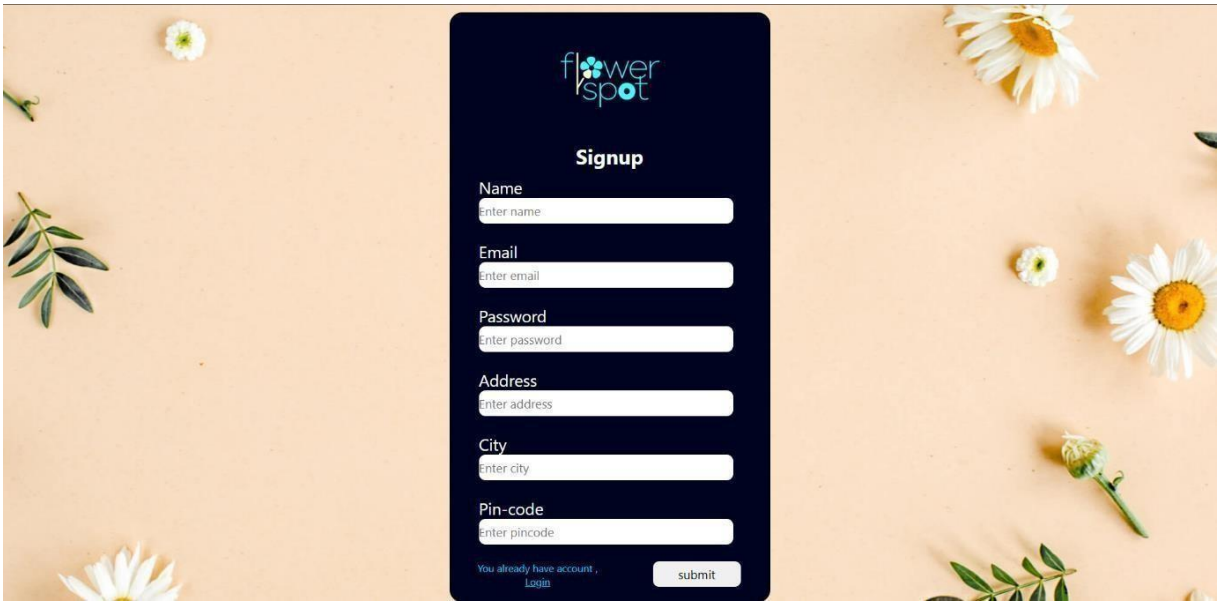
Attribute	Type	Length
Comment_id	int	11
comment	varchar	250
User_name	varchar	50
Flower_id	int	11
date	date	-

4.6 CART TABLE

Attribute	Type	Length
Cart_id	Int	11
Product_id	Int	11
User_id	Int	11
date	Date	-

CHAPTER V
DEVELOPMENT AND IMPLEMENTATION

5.1 Signup

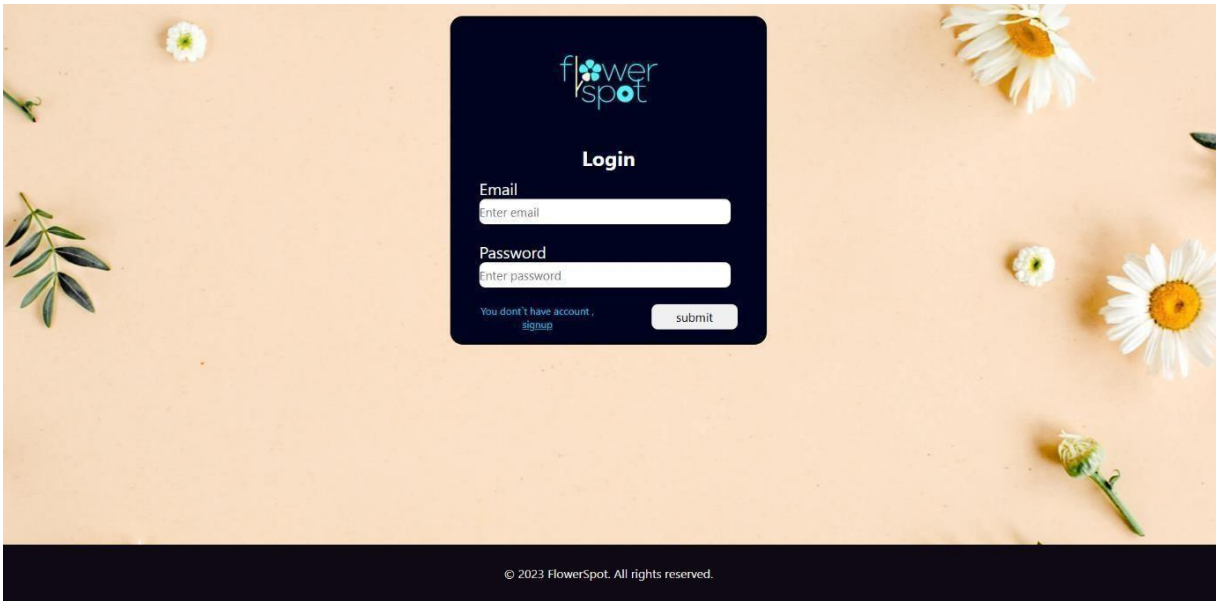


The Signup page offers a clean and inviting interface for new users to create an account on the FlowerSpot website. The page features:

1. **Title:** The word **"Signup"** is displayed in bold and centered within a sleek, dark-themed form container.
2. **Logo:** The **FlowerSpot** logo is placed at the top to maintain brand consistency.
3. **Name Field:** A text input field labeled **"Name"** for the user to enter their full name.
4. **Email Field:** A text input labeled **"Email"** for entering the user's email address.
5. **Password Field:** A text input labeled **"Password"** to securely set a password.
6. **Address Field:** A text field labeled **"Address"** where users can enter their residential address.
7. **City Field:** A field labeled **"City"** for the user to enter the city they reside in.
8. **Pin-code Field:** A text input labeled **"Pin-code"** to enter their area's postal code.
9. **Submit Button:** A light-colored **"submit"** button for submitting the registration form.
10. **Login Link:** A link that says **"You already have account, Login"** which redirects existing users to the login page.
11. **Design Elements:** The background includes light peach tones and scattered daisies, creating a fresh and pleasant visual theme that aligns with the flower shop concept.

This page is designed to make the sign-up process smooth and attractive for new users while keeping the interface aligned with the brand's floral identity.

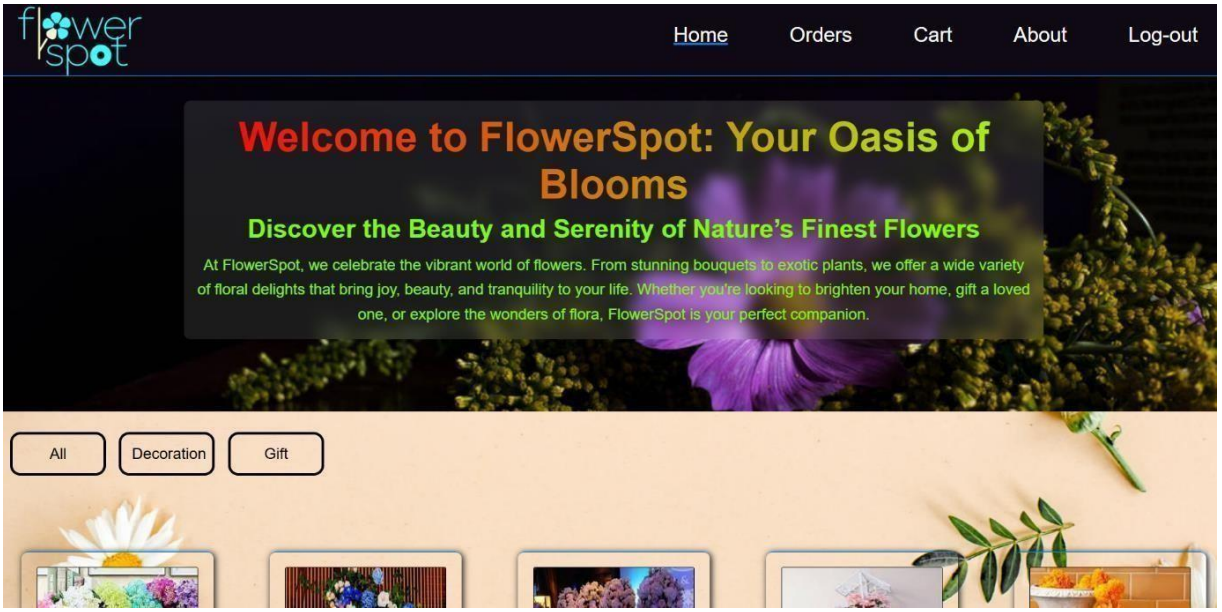
5.2 Login



The Login page provides a secure and user-friendly interface for registered users to access their accounts and exclusive content. The page features:

1. **Title:** The word **"Login"** is prominently displayed in bold, centered within a stylish dark box.
2. **Logo:** The **FlowerSpot** logo is placed at the top, reinforcing brand identity.
3. **Email Field:** A text box labeled **"Email"** where users can enter their email address.
4. **Password Field:** A text box labeled **"Password"** for users to securely enter their password.
5. **Submit Button:** A **gray "submit"** button allows users to log in with the entered credentials.
6. **Signup Link:** Asmall text link beneath the form that reads **"You don't have account, signup"** it likely redirects new users to the registration page.
7. **Footer:** Acentered footer note that reads **"© 2023 FlowerSpot. All rights reserved."**, giving it a professional touch.

5.3 Home page



1. **Core Business:**

Selling a variety of flower-based decorative items such as garlands, backdrops, wall hangings, and floral arrangements.

2. **Brand Identity:**

The site embraces a theme of natural beauty and tranquility, reflected in the colorful visuals and phrases like “Your Oasis of Blooms” and “Nature’s Finest Flowers.”

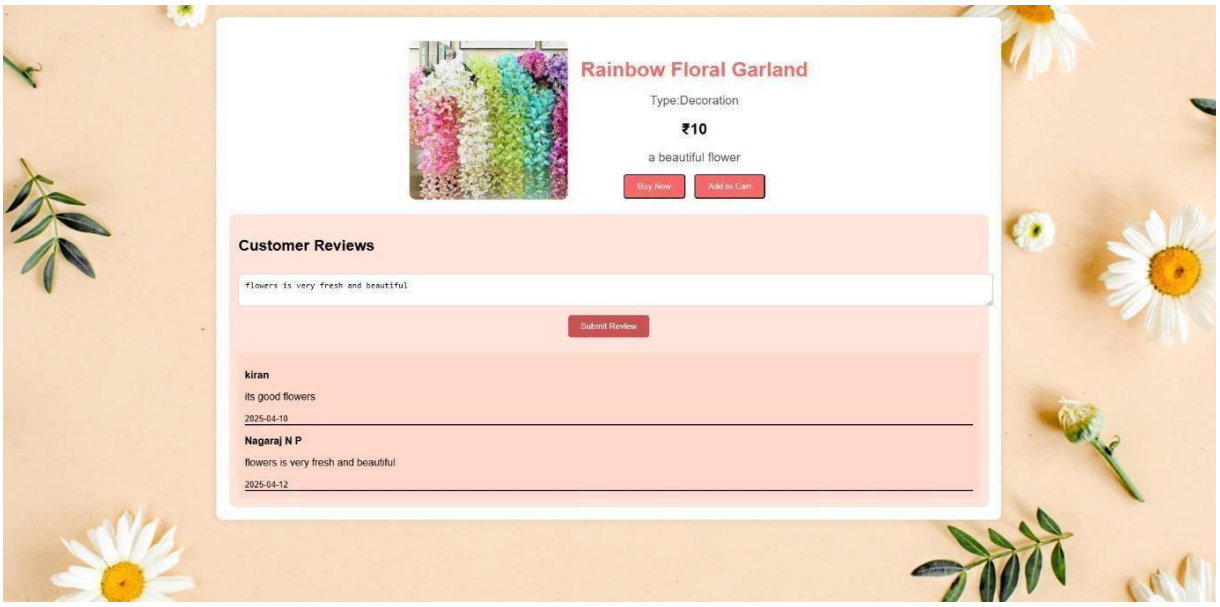
3. **Website Structure:**

- **Top Navigation Bar:** Includes Home, Orders, Cart, About, and Log-out links for easy access.
- **Hero Section:** Features a bold welcome message with vibrant typography and a call to explore the flower collection.
- **Product Filters:** Buttons like "All", "Decoration", and "Gift" help users filter product categories.
- **Product Grid:** Displays various flower products with names, images, and prices (₹10 to ₹200).

4. **Call to Action:**

Users are encouraged to explore products directly—clicking on any flower card redirects them to the individual **Product Page**, where they can view more details and make a purchase.

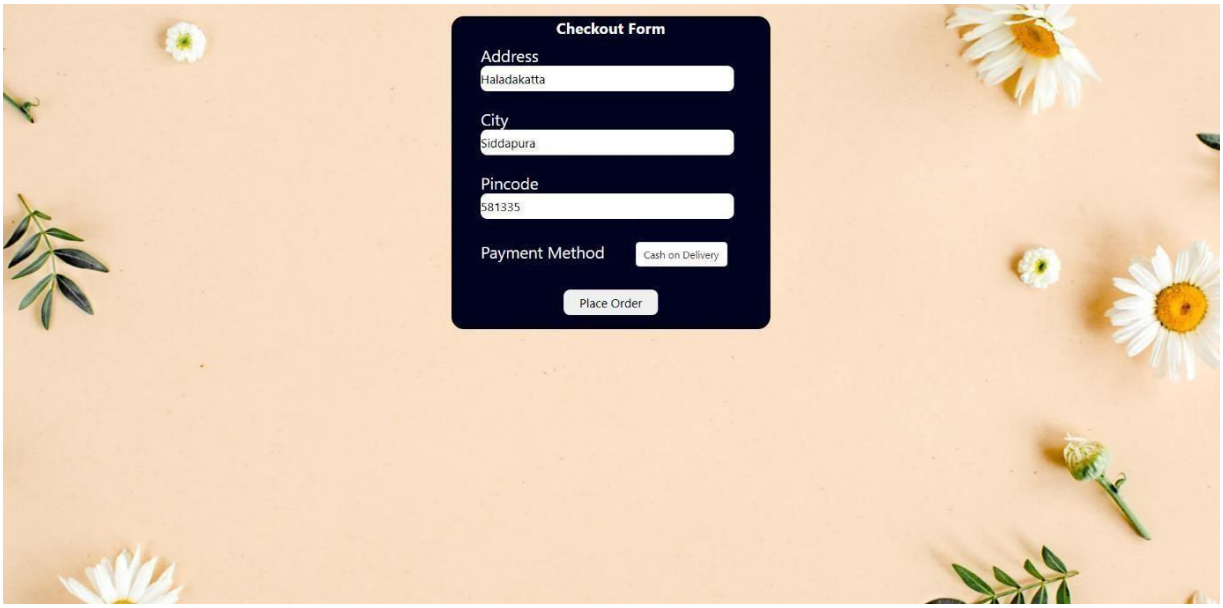
5.4 Product details page



This webpage is a **product detail page** for a flower item. It includes:

1. **Product Section**
   - **Product Image**: Displays the flower (Rainbow Floral Garland).
   - **Product Name**: Clearly shown in bold red — *Rainbow Floral Garland.*
   - **Type**: Labeled as *Decoration*.
   - **Price**: ₹10.
   - **Description**: Brief product description — *a beautiful flower*.
   - **Action Buttons**:
   - **Buy Now**: Likely redirects to a checkout page for immediate purchase.
   - **Add to Cart**: Adds this item to the user's shopping cart.
2. **Customer Reviews Section**
   - **Review Input Box**: Allows users to type in their review.
   - **Submit Review Button**: Posts the entered review (stores it in the backend).
   - **Displayed Reviews**:
   - Shows the **reviewer's name** (e.g., *kiran*, *Nagaraj N P*).
   - Shows the **comment** (e.g., *its good flowers*).
   - Shows the **date** the review was submitted.

5.5 Checkout page



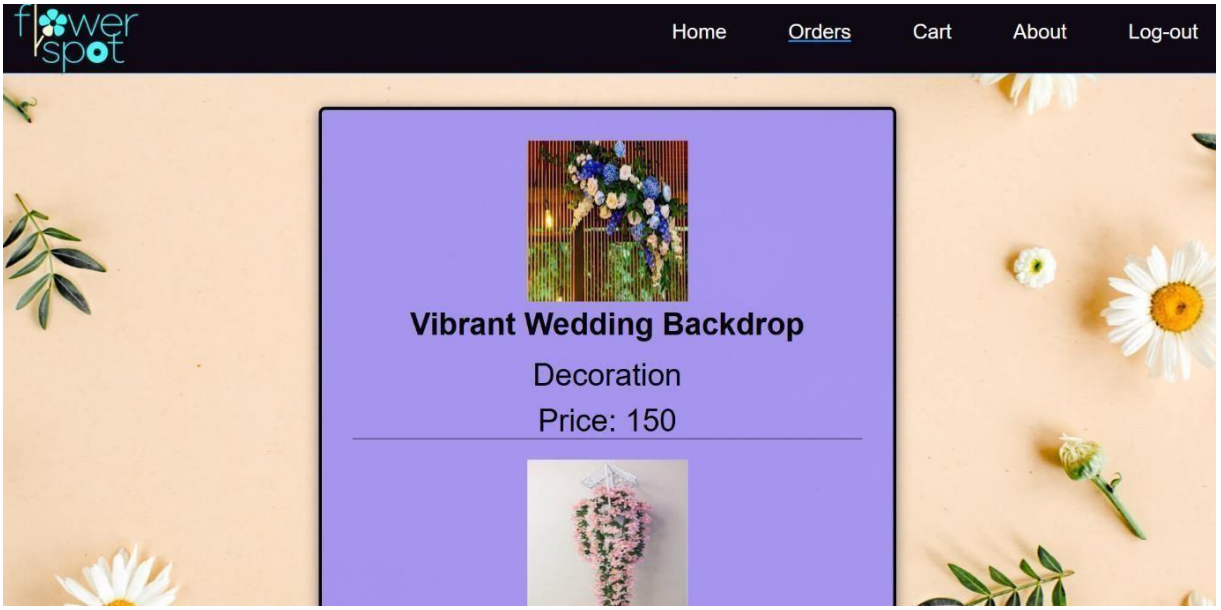
Form Title:

- **Checkout Form** — Centered at the top, indicating the purpose of this form is to collect final delivery and payment details before placing an order.

Input Fields:

1. **Address:**
   - User has entered: Haladakatta
   - This is likely the street or locality for delivery.
2. **City:**
   - User has entered: Siddapura
   - The city where the delivery will take place.
3. **Pincode:**
   - User has entered: 581335
   - A 6-digit postal code for more precise delivery location.
4. **Payment Method:**
   - A button labeled **Cash on Delivery** is shown, suggesting this is the selected or only available payment method on this page.
5. **Place Order Button:**
   - A button labeled **Place Order** is available below the form fields.This would typically trigger submission of the form, saving the order and initiating the delivery process.

5.6 Order page



Header (Navigation Bar):

- **Logo: Positioned at the top-left, creatively designed with a floral style.**
- **Navigation Links (top-right):**
- **Home**
- **Orders (highlighted/underlined – current page)**
- **Cart**
- **About**
- **Log-out**

This layout helps users easily navigate across the site.

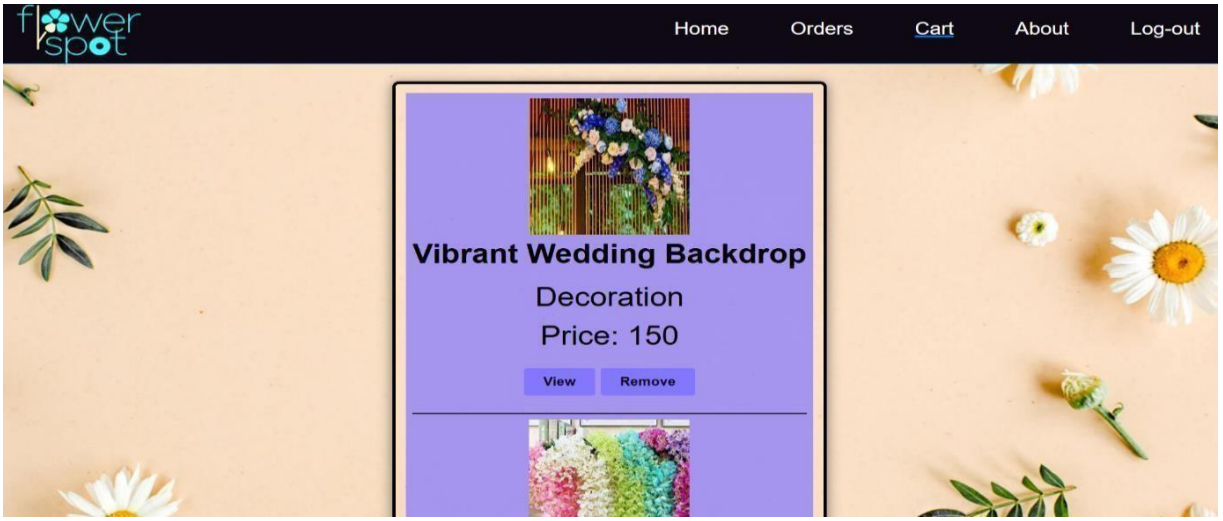
Orders Section:

- This section is likely displaying **previous orders** made by the user.
- Each order is shown in a **card-like** format with product details.

Example Order Card (Top One):

- **Image**: Floral wedding backdrop.
- **Title**: **Vibrant Wedding Backdrop**
- **Category**: Decoration
- **Price**: 150
- A thin horizontal line separates this order from the next.

5.7 Cart page



Header (Navigation Bar):

- **Logo: Positioned at the top-left, creatively designed with a floral style.**
- **Navigation Links (top-right):**
- **Home**
- **Orders (highlighted/underlined – current page)**
- **Cart**
- **About**
- **Log-out**

Cart Page Content

This section displays the items the user has added to their cart, with individual product cards.

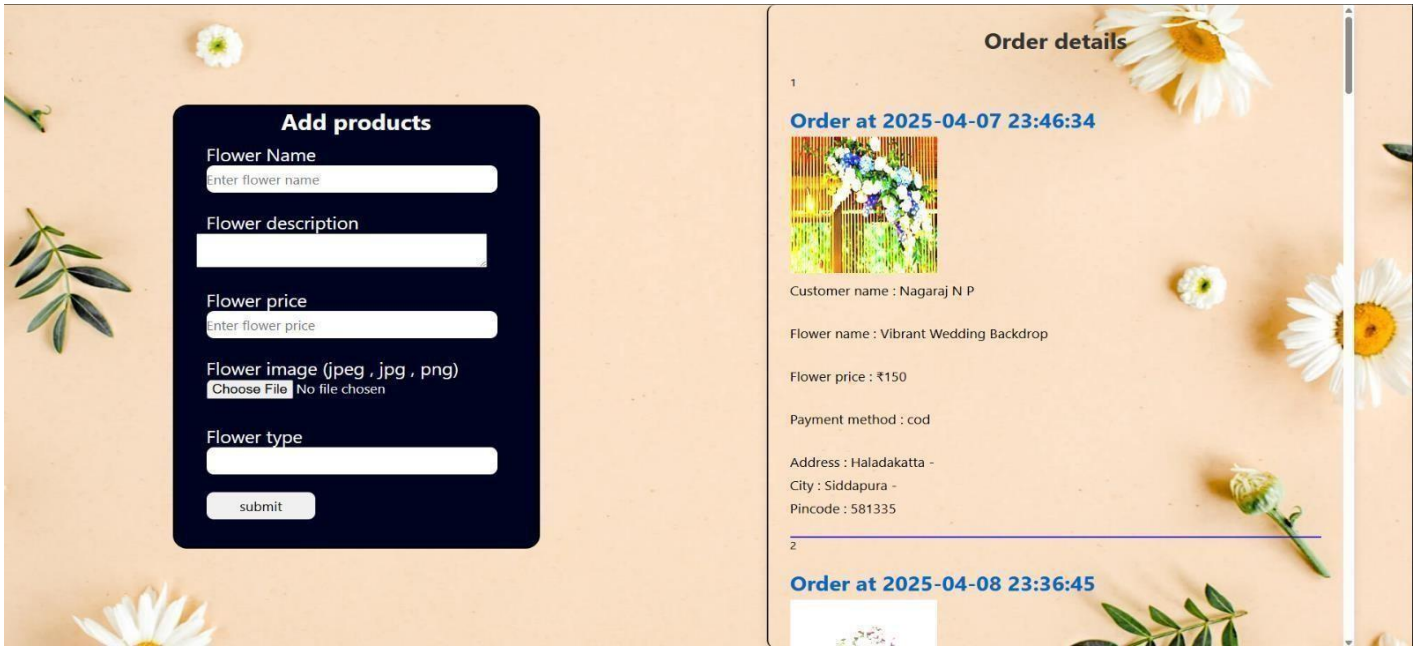
Cart Item Card Example:

- **Image**: A product image of a vibrant wedding floral backdrop.
- **Title**: **Vibrant Wedding Backdrop**
- **Category**: Decoration
- **Price**: 150

Actions Available for Each Cart Item:

- **View**: Navigates to the product's detail page.
- **Remove**: Removes the item from the cart.
- These are styled as clean, purple buttons for user interaction.

5.8 Admin section



1. Add Products Section (Left side)

This form is used by an admin or vendor to add new flower products to the website. The fields include:

Flower Name: Input field for entering the name of the flower.

Flower Description: A short description of the flower product.

Flower Price: The price at which the flower is being sold.

Image Upload: Allows the user to upload an image of the flower (jpeg, jpg, png formats supported).

Flower Type: Field for specifying the categoryor type of the flower.

Submit Button: Likely sends the form data to a backend server to save the flower in the product database.

2. Order Details Section (Right side)

This displays the customer's order details, likely pulled from a database. It includes:

Order Timestamp: Shows when the order was placed (e.g., 2025-04-07 23:46:34) .

Image of Ordered Flower: A thumbnail of the flower that was ordered.

Customer Name: E.g., Nagaraj N P.

Flower Name: Name of the flower product (e.g., Vibrant Wedding Backdrop).

Flower Price: The price of the flower (e.g., ₹150).

Payment Method: Here it is shown as cod (Cash on Delivery).

Address: Includes fields such as address, city (Siddapura), and pincode (581355).

CHAPTER VI

TESTING

6.1 SYSTEM TESTING

INTRODUCTION

System testing is also known as black-box testing because it focuses on the external parts of the system. It takes place
after integration testing and before the acceptance testing. So this testing detects the issues within the integrated units of a system. In this way, it checks the design of the complete system and behavior per the end user's needs.

System Testing is a level of testing that validates the complete and fully integrated software product. The purpose of a system test is to evaluate the end-to-end system specifications. Usually, the software is only one element of a larger computer-based system. Ultimately, the software is interfaced with other software/hardware systems. System Testing is defined as a series of different tests whose sole purpose is to exercise the full computer-based.

Functionality Testing

1. Navigation:
   - Menu items are clickable and navigate to correct pages
   - Submenus and dropdowns work correctly
2. Forms:
   - Contact form sends email to correct address
   - Form validation works correctly (e.g., required fields, email format)
3. Calls-to-Action (CTAs):
   - CTAs are clickable and navigate to correct pages
   - CTAs have correct text and formatting
4. Links:
   - Internal links navigate to correct pages
   - External links open in new tab/window
5. Search:
   - Search bar returns relevant results
   - Search bar has correct placeholder text

Usability Testing

1. Content:
   - Content is clear, concise, and easy to read
   - Content is optimized for SEO (meta tags, headings, etc.)
2. Visuals:
   - Images are high-quality and relevant to content
   - Images have correct alt text and descriptions
3. Layout:
   - Layout is responsive and works on various devices
   - Layout is consistent throughout website
4. Accessibility:
   - Website is accessible for users with disabilities (WCAG 2.1)

- Website has clear and consistent navigation

Performance Testing

1. Page Speed:
   - Website loads within 3 seconds
   - Website has optimized images and code
2. Browser Compatibility:
   - Website works correctly in various browsers (Chrome, Firefox, Safari, etc.)
   - Website works correctly in different browser versions
3. Mobile Responsiveness:
   - Website is responsive and works on various mobile devices
   - Website has correct layout and formatting on mobile

Content Testing

1. Spelling and Grammar:
   - Content has no spelling or grammar errors
2. Consistency:
   - Content is consistent throughout website
   - Content has correct formatting and styling
3. Accuracy:
   - Content is accurate and up-to-date
   - Content has correct information and statistics

Database Testing

The MySQL database was thoroughly tested for:

1. Data Integrity: Ensured consistent storage of user, product, and order data.
2. Query Accuracy: Validated the correctness of SELECT, INSERT, and UPDATE queries.
3. Security: Confirmed that sensitive data like passwords is stored securely, ideally hashed.

This comprehensive testing checklist ensures that our website for digital marketing is functional, user-friendly, performant, secure, and has high-quality.

CHAPTER VII

RESULTS

(SAMPLE CODE AND DESIGN SCREENSHOT WITH DESCRIPTION)

SAMPLE CODE:

Login Page (PHP):

```
<!DOCTYPE html><html lang="en">
<head> <meta charset="UTF-8">
<meta name="viewport"
content="width=device-width, initial-
scale=1.0"> <title>Login</title>
<link rel="stylesheet"
href="./css/forms.css">
<link rel="icon"
href="./includes/website_logo.png">
<link rel="stylesheet"
href="./css/footer.css">
</head><body><div id="container">
<imgsrc="./includes/website_logo.png"
alt="website logo"> <h1>Login</h1>
<form action="#" method="POST"
id="myform">
<div id="error">Fill all
feids</div> <div><label >Email</label><br>
<input type="email" id="email"
name="email" placeholder="Enter email"
required><br>
</div> <div>
<label >Password</label><br>
<input type="password" id="password"
name="password" placeholder="Enter
password" required><br>
</div><div id="submit">
<a href="signup.php">You dont`t have
account , <u>signup</u></a>
<input type="submit" id="submit"
name="submit" value="submit"><br>
</div> </form> </div>
<?php include("./includes/footer.php");
?>
<script src="./js/login.js"></script>
</body>
</html>
```

Sign Up (PHP):

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport"
content="width=device-width, initial-
scale=1.0">
<title>Sign-up</title>
<link rel="stylesheet"
href="./css/forms.css">
<link rel="icon"
href="./includes/website_logo.png">
<link rel="stylesheet"
href="./css/footer.css">
</head>
<body><div id="container">
<imgsrc="./includes/website_logo.png"
alt="website logo">
<h1>Signup</h1>
<form
action="./controllers/signupController.php"
method="POST" id="myform">
<div id="error">Fill all
feids</div><div>
<label >Name</label><br>
<input type="text" id="name"
name="name" placeholder="Enter
name" required><br>
</div> <div>
<label >Email</label><br>
<input type="email" id="email"
name="email" placeholder="Enter email"
required><br>
</div> <div>
<label >Password</label><br>
<input type="password"
id="password" name="password"
placeholder="Enter password" required><br>
</div> <div>
<label >Address</label><br>
<input type="text" id="address"
name="address" placeholder="Enter address"
required><br>
```

```
            </div>
            <div>
               <label >City</label><br>
              <input type="text" id="city"
name="city" placeholder="Enter city"
required><br>
          </div> <div>
              <label >Pin-code</label><br>
              <input type="text" id="pin"
name="pin" placeholder="Enter pincode"
required><br>
          </div><div id="submit">
              <a href="login.php">You already
have account , <u>Login</u></a>
              <input type="submit" id="submit"
name="submit" value="submit"><br>
          </div></form>
        </div>
      <?php include("./includes/footer.php"); ?>
       <script src="./js/signup.js"></script>
    </body>
    </html>
```

Index Page (PHP):

```
    <?php
     session_start();
     if(!isset($_SESSION['id'])){
       header("Location:login.php");
       exit();
     }
     ?>
     <!DOCTYPE html>
     <html lang="en">
     <head> <meta charset="UTF-8">
       <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
       <title>Home</title>
       <link rel="stylesheet"
href="./css/navigation.css">
       <link rel="icon"
href="./includes/website_logo.png">
       <link rel="stylesheet"
href="./css/indexfile.css">
       <link rel="stylesheet"
href="./css/footer.css">
 </head> <body>
   <?php include('./includes/nav.php');?>
   <main>
           <div class="herosection">
              <div class="herotext">
                <h1>Welcome to FlowerSpot:
Your Oasis of Blooms</h1>
                <h2>Discover the Beauty and
Serenity of Nature's Finest Flowers</h2>
                <p>At FlowerSpot, we
celebrate the vibrant world of flowers. From
stunning bouquets to exotic plants, we offer
a wide variety of floral delights that bring
joy, beauty, and tranquility to your life.
                    Whether you're looking to
brighten your home, gift a loved one, or
explore the wonders of flora,
                    FlowerSpot is your perfect
companion.</p>
              </div> </div>
           <div class="selection">
              <button id="All">All</button>
              <button
id="Decoration">Decoration</button>
              <button id="Gift">Gift</button>
           </div> <div class="container">
           </div> </main>
        <?php include("./includes/footer.php");
?>
       <script src="./js/nav.js"></script>
       <script
src="./js/indexpage.js"></script>
     </body> </html>
```

Product Page (PHP):

```
    <?php
     session_start();
       if(!isset($_SESSION['id']) &&
    isset($_SESSION['user_name'])){
        header("Location:login.php");
          exit();
     }
     ?>
    <!DOCTYPE html>
    <html lang="en">
    <head> <meta charset="UTF-8">
```

```
        <meta name="viewport"
    content="width=device-width, initial-
    scale=1.0">
        <title>Productpage</title>
        <link rel="icon"
    href="./includes/website_logo.png">
      <link rel="stylesheet"
href="./css/productPage.css">
    </head>
    <body>
    <main>
    <div id="session"
style="color:transparent;"><?php echo
$_SESSION['id'];?></div>
        <section class="product-details">
          <div class="product-image">
            <img id="productImage" src=""
alt="Product Image">
          </div> <div class="product-info">
       <h1 id="productName"></h1>
       <p id="productDescription"></p>
      <h2 id="productPrice">&#8377</h2>
            <p id="productType"></p>
     <button id="buyNowBtn">Buy
Now</button>
            <button id="addToCartBtn">Add
to Cart</button>
          </div> </section>
        <section class="product-reviews">
          <h2>Customer Reviews</h2>
          <div id="reviewsContainer">
          <form id="reviewForm"?>
            <textarea id="reviewText"
placeholder="Write a review..."
required></textarea>
            <button type="button"
id="submit">Submit Review</button>
          </form>
        </div>
        <div id="review-section">
        </div>
        </section>
      </main>
    <script src="./js/productPage.js"></script>
    </body>
</html>
```

Cart Page (PHP):

```
<?php
 session_start();
 if(!isset($_SESSION['id'])){
   header("Location:login.php");
   exit();
 }
 ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
        <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
        <title>Cart</title>
        <link rel="icon"
href="./includes/website_logo.png">
        <link rel="stylesheet"
href="./css/navigation.css">
        <link rel="stylesheet"
href="./css/cart.css">
        <link rel="stylesheet"
href="./css/footer.css">
    </head>
<body>
<?php include('./includes/nav.php');?>
<main>
    <div class="cartcontainer"></div>
  </main>
   <?php include("./includes/footer.php"); ?>
  <script src="./js/cart.js"></script>
  <script src="./js/nav.js"></script>
</body>
</html
```

Checkout Page (PHP):

```
<?php
session_start();
include('./config/dbconnection.php');
$db =new DataBase();
$connection = $db->connect();
if (!isset($_SESSION['id'])) {
        echo "Please log in to proceed with
checkout.";
```

```
        exit;
    }
    $id = $_SESSION['id'];
    $sql = "SELECT address, city, pincode
FROM users WHERE id = $id";
$result = mysqli_query($connection , $sql);

if ($result->num_rows > 0) {
    $row = $result->fetch_assoc();
    $address = $row['address'];
    $city = $row['city'];
    $pincode = $row['pincode'];}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Checkout Page</title>
    <link rel="stylesheet"
href="./css/forms.css">
</head>
<body>
<div id="container">
<h2 >Checkout Form</h2>
<form action="place_order.php"
method="POST" id="myform">
    <div>
    <label for="address">Address</label>
    <input type="text" name="address"
required value="<?php echo
htmlspecialchars($address); ?>">
    </div>
    <div>
    <label for="city">City</label>
    <input type="text" name="city" required
value="<?php echo htmlspecialchars($city);
?>">
    </div>
    <div>
    <label for="pincode">Pincode</label>
    <input type="text" name="pincode"
required value="<?php echo
htmlspecialchars($pincode); ?>">
    </div>
    <div>
<label for="payment">Payment
 Method</label>
<select name="payment_method"
required class="dropdown">
    <option value="cod">Cash on
    Delivery</option>
</select>
</div>
<input type="submit" value="Place
Order">
</form>
</div>
<script src="./js/checkoutPage.js"></script>
</body>
</html>
```

Order Page (PHP):

```
<?php
 session_start();
 if(!isset($_SESSION['id'])){
   header("Location:login.php");
   exit();
 }?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
      <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
      <title>Orders</title>
     <link rel="icon"
href="./includes/website_logo.png">
    <link rel="stylesheet"
href="./css/order.css">
    <link rel="stylesheet"
href="./css/footer.css">
    <link rel="stylesheet"
href="./css/navigation.css">
  </head>
  <body>
 <?php include("./includes/nav.php");?>
<main>
    <div class="ordercontainer"></div>
</main>
<?php include("./includes/footer.php"); ?>
```

```
    <script src="./js/nav.js"> </script>
     <script src="./js/order.js"></script>
  </body>
  </html>
```

About Page (PHP):

```
  <?php
   session_start();
   if(!isset($_SESSION['id'])){
     header("Location:login.php");
     exit(); }
   ?>
  <!DOCTYPE html>
  <html lang="en">
  <head>
      <meta charset="UTF-8">
      <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
      <title>About</title>
      <link rel="stylesheet"
href="./css/navigation.css">
      <link rel="icon"
href="./includes/website_logo.png">
      <link rel="stylesheet"
href="./css/footer.css">
      <link rel="stylesheet"
href="./css/about.css">
  </head>
  <body>
  <?php include('./includes/nav.php');?>
  <main>
        <h1>Flower Spot</h1>
        <p>Welcome to Flower Spot, your go-
to destination for fresh and beautiful flowers
delivered right to your doorstep. At Flower
Spot, we believe in the power of flowers to
brighten up your day, celebrate special
moments, and express emotions in the most
delightful way.
        </p>
        <h2>Contact Us</h2>
        <p>Have questions or need assistance?
Feel free to contact us at
<i>flowerspot@gmail.com</i> or
<i>8217062684</i>. We're here to help!</p>
      <h2>Social Media -</h2>
      <a
href="https://www.facebook.com/profile.php?i
d=100054741586599&mibextid=ZbWKwL"><
img src="./includes/facebook.png"
alt="facebook"></a>
 <a href="https://www.instagram.com/nagaraj_g
 inivar?igsh=MWpqcW9vMjB3eTk5Yg==">
 <img src="./includes/instagram.png"
 alt="instagram"></a>
        <a
href="https://x.com/Nagrajpattegar?t=wJAN
_TCViWR4_UJliLsBkg&s=09"><img
src="./includes/twitter.png" alt="X"></a>
      </main>
  <?php include("./includes/footer.php");
?>
  <script src="./js/nav.js"></script>
  </body>
  </html>
```

Admin Page (PHP):

```
  <!DOCTYPE html>
  <html lang="en">
  <head>
      <meta charset="UTF-8">
      <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
      <title>Admin-Page</title>
      <link rel="stylesheet"
href="./css/forms.css">
      <link rel="icon"
href="./includes/website_logo.png">
      <link rel="stylesheet"
href="./css/adminpage.css">
  </head>

  <body>
     <div id="hero-section">
        <div id="outer-container">
           <div id="container">
              <h1>Add products</h1>
              <h1 id="msg"></h1>
```

```
<form action="#" method="POST" id="myform">
                        <div>
                            <label>Flower
        Name</label><br>
            <input type="text" id="flower_name"
        name="flower_name" placeholder="Enter
        flower name" required><br>
                        </div><div>
                            <label>Flower
        description</label><br>
            <textarea name="flower_desc"
        id="product-desc"></textarea><br>
                        </div><div>
                            <label>Flower
        price</label><br><input type="text"
        id="flower-price" name="flower_price"
        placeholder="Enter flower price"
        required><br>  </div>
         <div><label>Flower image (jpeg , jpg ,
        png)</label><br>
                            <input type="file"
        id="flower-image" name="flower_image"
        required><br>
                        </div><div>
                            <label>Flower
        type</label><br>
                            <input  type="text"
        id="flower-type"  name="flower_type"
        required><br></div><div>
                            <input type="submit"
        id="submit" name="submit"
        value="submit"><br>
                        </div></form></div> </div>
                <div id="orders">
                    <h1>Order details</h1>
                    <?php
                    include("./config/dbconnection.ph


        p");
                    $db = new DataBase();
                    $connection = $db->connect();
                    $sql =
        "SELECT  users.user_name ,
        flowers.flower_name , orders.price ,
        orders.address ,orders.city , orders.pincode ,
        orders.payment_method, orders.order_date
        FROM orders JOIN users
          ON orders.user_id = users.id JOIN flowers
         ON orders.flower_id = flowers.flower_id";
                    $res = mysqli_query($connection,
        $sql);
                    if(mysqli_num_rows($res)>0){
                        $i=0;
                        while($row =
        mysqli_fetch_assoc($res)){
                            echo "<div
        id='order_card'>";
                            echo ++$i."<br>";
                            echo "<h2>Order at
        {$row['order_date']}</h2>";
                            echo "<p>Customer name :
        {$row['user_name']}</p><br>";
                            echo "<p>Flower name :
        {$row['flower_name']}</p><br>";
                            echo "<p>Flower price :
        {$row['price']}</p><br>";
                        echo "<p>Payment method :
        {$row['payment_method']}</p><br>";
                        echo "<p>Address :
        {$row['address']} - </p>";
                            echo "<p>City :
        {$row['city']} - </p>";
                            echo "<p>Pincode :
         {$row['pincode']}</p><br> ";
                            echo "</div>";
                        }}?>
                    </div></div>
                <script src="./js/admin.js"></script>
         </body></html>
```

Footer Page (CSS):

```
footer {
 width: 100vw; background-color:
 rgb(14, 9, 19);
 padding: 2rem; text-align: center; color:
 #fff; margin-top: 2rem;
 } footer p{ font-size: 1.2rem;} font-size:
 2rem; color: red;}
```

Navigation Page (JS):

```
document.addEventListener("DOMContentLoaded", function () {
    let navb
    document.getElementById("navbtn");navbtn.addEventListener("
    click", (e) => {
        const navlist = document.querySelector(".nav-list");
        if (navlist.classList.contains("active")) {
            navlist.classList.toggle("active");
            navbtn.innerHTML = "&#9776;";
            e.stopPropagation();
        } else {

            navlist.classList.toggle("active");
            navbtn.innerHTML = "&#9747;";
            e.stopPropagation();}})

    document.addEventListener("click", () => {const navlist = document.querySelector(".nav-list"); if
    (navlist.classList.contains("active")) {navlist.classList.toggle("active"); navbtn.innerHTML = "&#9776;";
 }})});
```

Index Page (JS):

```
document.addEventListener("DOMContentLoaded", async function () {
    const container = document.querySelector('.container');
    let flowers = [];async function fetchFlowers() { try {const response = await
    fetch('http://localhost/flowerspot/controllers/indexController.php');if (!response.ok){
    throw new Error(`HTTP error! Status: ${response.status}`)}}
        flowers = await response.json(); console.log("Flowers data:", flowers); renderProduct(flowers);} catch
        (error) {console.error('Error fetching flower data:', error);}}await fetchFlowers();
        document.getElementById("Decoration").addEventListener("click", () => {const decorationFlowers =
        flowers.filter(val => val.type === Decoration");setActiveButton("Decoration");
        renderProduct(decorationFlowers);});

    document.getElementById("Gift").addEventListener("click", () => {
        const giftFlowers = flowers.filter(val => val.type
        ==="Gift");setActiveButton("Gift");renderProduct(giftFlowers);});
    document.getElementById("All").addEventListener("click", () => {
        setActiveButton("All");renderProduct(flowers);});function
        setActiveButton(activeId){document.getElementById("Decoration").
        style.transform = activeId === "Decoration" ?"scale(1.1)" :
        "scale(1)";document.getElementById("Gift").style.transform =
        activeId === "Gift" ? "scale(1.1)" :
        "scale(1)";document.getElementById("All").style.transform =
        activeId === "All" ? "scale(1.1)" : "scale(1)}

    function renderProduct(flowers) {
        container.innerHTML = "";
        flowers.forEach(flower => {
            let box = document.createElement('div');
            box.classList.add("card");
            box.setAttribute("id", flower.flower_id);
    box.innerHTML = `<a
        href="./product.php?name=${encodeURIComponent(flower.flower_na
```

```
        me)}&price=${encodeUR
        IComponent(flower.price)}&description=${encodeURIComponent(flo
        wer.description)}&link=${
        encodeURIComponent(flower.image)}&pid=${encodeURIComponent
        (flower.flower_id)}&type=
    ${encodeURIComponent(flower.type)}"><img src="${flower.image}" class="image"
    alt="${flower.flower_name}"><p class="name">${flower.flower_name}</p><p
    class="price">₹${flower.price}</p></a>`.trim();

            container.appendChild(box);});  }});
```

Product Page (JS):

```
document.addEventListener("DOMContentLoaded", () => {
    const buy = document.getElementById("buyNowBtn");
    const d = new URLSearchParams(window.location.search)
    const name = document.getElementById("productName").innerHTML = d.get('name')
    const price = document.getElementById("productPrice").innerHTML += `${d.get('price')}`;
    const type = document.getElementById("productType").innerHTML
=`${d.get('description')}`

    const productDescription = document.getElementById("productDescription").innerHTML
=`Type:${d.get('type')}`
    const pid=d.get('pid')
    document.getElementById("productImage").setAttribute("src", d.get('link'))
    const uid = document.getElementById('session').innerText;
    document.getElementById("buyNowBtn").setAttribute("href",
`../Checkout/Checkout.html?name=${encodeURIComponent(name)}&price=${encodeURIComp
onent(price)}&type=${encodeURIComponent(type)}&link=${encodeURIComponent(d.get('link'
))}&pid=${encodeURIComponent(pid)}`)

    document.getElementById("addToCartBtn").setAttribute("href",
`../Cart/cart.html?name=${encodeURIComponent(name)}&price=${encodeURIComponent(price
)}&type=${encodeURIComponent(type)}&link=${encodeURIComponent(d.get('link'))}&pid=${
encodeURIComponent(pid)}`)

    document.getElementById("submit").addEventListener("click",async ()=>{
        const comment=document.getElementById("reviewText").value;
        const response = await fetch("./controllers/productController.php",

            {method:"POST",headers{
                'ContentType':"application/json"},body:JSON.stringify({
                    commentText:comment,flowerId:p,
                    id:uid,price
                    :price})});

        const data =await response.text();})

    const commentSection = document.getElementById("review-section");
    setInterval(()=>{async function getComments() { try {
            const response = await fetch(`./controllers/productController.php?flowerId=${pid}`);
            const comments = await response.json();
            if (comments.length >
                0){commentSection.innerHTML = "";
                comments.forEach(comment => {
                    const commentCard = document.createElement("div");
```

```
                commentCard.classList.add("comment-card");
                commentCard.innerHTML = `
                    <div class="comment-content">

                        <p><strong>${comment.user_name}</strong></p>

                        <p>${comment.comment}</p>

                        <small>${comment.date}</small>
        </div>`;
    commentSection.appendChild(commentCard);});} else {

commentSection.innerHTML = "<p>No comments yet.</p>";}} catch (error) {console.error("Failed to fetch comments:", error);}}getComments();},1000);

        document.getElementById("addToCartBtn").addEventListener("click",async (e)=>{
            e.preventDefault();
            const response = await fetch("./controllers/cartcontroller.php",

                {method:"POST",headers:
                    {'Content-
                    Type':"application/json"
                    },body:JSON.stringify({
                        flowerId:pid,
                        id:uid })} );
             const data =await response.text();
             if(data == 'Sucess'){
                location.href=`cart.php?user_id=${uid}`;}});
        buy.addEventListener("click" , (e)=>{
            location.href = `checkout.php?fid=${pid}&user_id=${uid}&price=${price}`;

        }) })
```

SignUp Page (JS):

```
const form = document.querySelector('#myform');
const submit = document.querySelector("#submit");
const errormessage = document.getElementById("error");
form.addEventListener("submit" , async (e)=>{
    e.preventDefault();
    const formData = new FormData(form);

    // console.log(formData);

    const response = await fetch('./controllers/signupController.php',

        {method:"POST",
            body:formData});
    const data = await response.text();
    if(data == "success"){
        location.href="login.php";

    }else{

        errormessage.style.display="block";
        errormessage.innerHTML=data;}})
```

Login Page (JS):

```
const form = document.querySelector('#myform');
const submit = document.querySelector("#submit");
const errormessage = document.getElementById("error");
form.addEventListener("submit" , async (e)=>{
    e.preventDefault();

    const formData = new FormData(form);
    console.log(formData);
    const response = await fetch('./controllers/loginController.php',

        {

            method:"POST",
            body:formData
        });

    const data = await response.text();
    console.log(data);
    if(data == "success"){
        location.href="index.php";}
    else if(data == "admin"){
        location.href="admin.php";}
    else{
        errormessage.style.display="block";
        errormessage.innerHTML=data;}})
```

Cart Page (JS):

```
const url =new URLSearchParams(window.location.search)
const id = url.get('user_id');
const container = document.querySelector(".cartcontainer");
async function getCartItems() {
    try {

        const response = await fetch(`./controllers/cartcontroller.php?id=${id}`);
        if (!response.ok) {
            throw new Error(`HTTP error! Status: ${response.status}`);}
        const data = await response.json();
        console.log("Cart data:", data);
        return data;
    } catch (error) { console.error("Error fetching cart items:", error); }}
async function renderItems(){
    container.innerHTML='';

    const items = await getCartItems();

    const card = document.createElement("div");
    card.classList.add("card");
    console.log(items);
    items.forEach((item ,index) => {
        card.innerHTML += `
    <img src="${item.image}" alt="${item.flower_name}" class="card-img">

    <div class="card-content">

        <h3 class="card-title">${item.flower_name}</h3>

        <p class="card-type"> ${item.type}</p>
```

```
        <p class="card-price">Price: ${item.price}</p>

              <button class="view" id="${index}">View</button>

             <button class="remove" id="${item.cart_id}">Remove</button>

    </div>`;
  container.appendChild(card);});}
  document.addEventListener("DOMContentLoaded", async(e) => {
    e.preventDefault();

    const items = await getCartItems();
    renderItems();
  container.addEventListener("click",async(e)=>{
    if(e.target.classList.contains("remove")){
      console.log(e.target.getAttribute("id"));
      fetch(`./controllers/cartcontroller.php?id=${e.target.getAttribute("id")}`,
        {  method:"DELETE", }

      .then(res=>res.text())

      .then(data=>alert("Success"))

      .catch(err=>alert("error"));
      renderItems();}
    if(e.target.classList.contains("view")){
    const item = items.filter((item,index)=>index == e.target.getAttribute("id"));
   location.href=`product.php?name=${encodeURIComponent(item[0].flower_name)}&price=
${encodeURIComponent(item[0].price)}&description=${encodeURIComponent(item[0].descript
ion)}&link=${encodeURIComponent(item[0].image)}&pid=${encodeURIComponent(item[0].fl
ower_id)}&type=${encodeURIComponent(item[0].type)}"`.trim();}}) });
```

Checkout Page (JS):

```
  document.addEventListener("DOMContentLoaded", function () {
    const form = document.querySelector("form");
    form.addEventListener("submit", function (e) {
      e.preventDefault(); // Prevent default form submission

      // Example dynamic values — replace with actual values from your app context
      const fid = new URLSearchParams(window.location.search).get("fid");
      const price = new URLSearchParams(window.location.search).get("price");
      const user_id = new URLSearchParams(window.location.search).get("user_id")
      console.log(price);
      const formData = new FormData(form);
      const actionUrl =
`./controllers/orderController.php?fid=${encodeURIComponent(fid)}&price=${encodeURIComp
onent(price)}&user_id=${encodeURIComponent(user_id)}`;

      fetch(actionUrl, {
        method: "POST",
        body: formData})
      .then(response => response.text())

       .then(result => {

        if(result == "success"){
        alert("Order placed successfully!");
```

```
            location.href = `order.php?user_id=${user_id}`;

            }else{
            console.log(result);
            alert(result);}})
        .catch(error => {

            alert("Error placing order.");
            console.error("Error:", error);
        });});});s
```

Order Page (JS):

```
const url =new URLSearchParams(window.location.search)
const id = url.get('user_id');
const container = document.querySelector(".ordercontainer");
async function getOrderItems() {
    try {

        const response = await fetch(`./controllers/ordercontroller.php?id=${id}`

        );

        if (!response.ok) {

            throw new Error(`HTTP error! Status: ${response.status}`);

        }

        const data = await response.json();
        console.log("Order data:", data);
        return data;

    } catch (error) {

        console.error("Error fetching cart items:", error);

    }

}

async function  renderOrders(){

    const items = await getOrderItems();
    items.forEach(item => {
        const card = document.createElement("div");
        card.classList.add("card");


        card.innerHTML += `

            <img src="${item.image}" alt="${item.flower_name

            }" class="card-img">

            <div class="card-content">

                <h3 class="card-title">${item.flower_name}</h3>

                <p class="card-type"> ${item.type}</p>
```

```
            <p class="card-price">Price: ${item.price}</p>

        </div> `;
    container.appendChild(card); });}
document.addEventListener("DOMContentLoaded",()=>{
renderOrders();
})
```

Admin Page (JS):

```
const form = document.querySelector('#myform');
const submit = document.querySelector("#submit");
const message = document.getElementById("msg");
form.addEventListener("submit" , async (e)=>{
   e.preventDefault();

   const formData = new FormData(form);
   console.log(formData);
   const response = await fetch('./controllers/adminController.php',

      {

         method:"POST",
         body:formData});
   const data = await response.text();
   if(data == "success"){
      message.style.display="block";
      message.style.color="green";
      message.innerHTML="Product added";
   }else{

      message.style.display="block";
      message.innerHTML=data;
      message.style.color="#e97070"; }
   console.log(data);})
```

Login Controller Page (PHP):

```
<?php

   session_start();
   include('../config/dbconnection.php');
   $db =new DataBase();

   $connection = $db->connect();
   if($_SERVER['REQUEST_METHOD'] == 'POST' ){
      if($connection){

         $email  = filter_input(INPUT_POST , 'email'
,FILTER_SANITIZE_SPECIAL_CHARS);

         $password = filter_input(INPUT_POST , 'password'
,FILTER_SANITIZE_SPECIAL_CHARS);

         $query= "SELECT * FROM users WHERE email='$email'";
         try{
            $result = mysqli_query($connection , $query);
            if(mysqli_num_rows($result)>0){
```

```
                $user = mysqli_fetch_assoc($result);
                 if(password_verify($password , $user['password'])){

                    $_SESSION['id'] = $user['id'];
                    if($user['email']=='admin@flowerspot.com'){
                        echo "admin";

                    }else{

                        echo "success";}

                }else{

                    echo "Password is wrong";}}

            else{

                echo "User not exitst , Please register";}

        }catch(mysqli_sql_exception){
            echo "Error";}}}?>
```

SignUp Controller Page (PHP):

```
<?php

    include('../config/dbconnection.php');

    $db =new DataBase();

    $connection = $db->connect();
    if($_SERVER['REQUEST_METHOD'] == 'POST' ){
        if($connection){

            $name =filter_input(INPUT_POST , 'name'
,FILTER_SANITIZE_SPECIAL_CHARS);

            $email  = filter_input(INPUT_POST , 'email'
,FILTER_SANITIZE_SPECIAL_CHARS);

            $password = filter_input(INPUT_POST , 'password'
,FILTER_SANITIZE_SPECIAL_CHARS);

            $address = filter_input(INPUT_POST , 'address'
,   FILTER_SANITIZE_SPECIAL_CHARS);

            $city= filter_input(INPUT_POST , 'city' ,FILTER_SANITIZE_SPECIAL_CHARS);

            $pincode = filter_input(INPUT_POST , 'pin'
,FILTER_SANITIZE_SPECIAL_CHARS);

            $query= "SELECT * FROM users WHERE email='$email'";
            try{

                $result = mysqli_query($connection , $query);
                if(mysqli_num_rows($result)>0){
                    echo "User already exits";
                    return ; }
            }catch(mysqli_sql_exception){
```

```
            echo "Error";}
        $hash = password_hash($password , PASSWORD_DEFAULT);

        $query= "INSERT INTO users (user_name , email , password , address , city ,
pincode) VALUES ('$name' , '$email' , '$hash' , '$address' , '$city' , '$pincode')";

        try{

            $result = mysqli_query($connection , $query);
            if($result){
            echo "success";

            }else{

                echo "Not sucess";}

        }catch(mysqli_sql_exception){
            echo "Error";}}}?>
```

Index Controller Page (PHP):

```
<?php

    session_start();
   if($_SERVER['REQUEST_METHOD']=='GET'){
       include('../config/dbconnection.php');

    $db =new DataBase();

    $connection = $db->connect();

   $query = "SELECT * FROM flowers";

   $arr='';

   $array= array();
   try{
      $arr = mysqli_query($connection , $query);

   }catch(mysqli_sql_exception){
      echo "Error";}
   if(mysqli_num_rows($arr)>0){

      while($res = mysqli_fetch_assoc($arr)){
         array_push($array , $res);}}
   $jsonData = json_encode($array);
   echo $jsonData;}?>
```

Product Controller Page (PHP):

```
<?php
session_start();
include('../config/dbconnection.php');

if ($_SERVER['REQUEST_METHOD'] == 'POST') {

    $db = new DataBase();

    $connection = $db->connect();

    $data = json_decode(file_get_contents("php://input"), true);
```

```
        if (isset($data['id']) && isset($data['flowerId']) && isset($data['commentText'])) {
            if($connection){
            $comment = $data['commentText'];

            $id = $data['id'];

            $fid = $data['flowerId'];

            $name = mysqli_query($connection, "SELECT user_name FROM users WHERE
id='$id'");

            if (mysqli_num_rows($name) > 0) {

                $nmobj = mysqli_fetch_assoc($name);

                $nm = $nmobj['user_name'];
                echo $comment."<br>";
                $query= "INSERT INTO comments (comment,user_name,flower_id) VALUES
('$comment','$nm','$fid ')";

                try {

                    $res = mysqli_query($connection, $query);
                    if ($res) {
                        echo "Sucess";}

                } catch (mysqli_sql_exception) {
                    echo "Error";

                }}} else {

            echo "Not success";}}}

    $db = new DataBase();

    $connection = $db->connect();
    if($_SERVER['REQUEST_METHOD'] == 'GET'){
     if (isset($_GET['flowerId'])) {

         $fid = $_GET['flowerId'];

        $query= "SELECT * FROM comments WHERE flower_id='$fid'";

        $result = mysqli_query($connection, $query);

        $comments = [];

        while ($row = mysqli_fetch_assoc($result)) {

            $comments[] = $row;}
        header('Content-Type: application/json');
        echo json_encode($comments);
    } else {

        echo json_encode(["error" => "Flower ID not provided"]);}}?>
```

Cart Controller Page (PHP):

```
<?php

    session_start();
```

```
include('../config/dbconnection.php');
$db =new DataBase();

$connection = $db->connect();
if($_SERVER['REQUEST_METHOD'] == 'POST' ){
   if($connection){

      $data = json_decode(file_get_contents("php://input"), true);
      if(isset($data['id']) && isset($data['flowerId'])){
      $user_id = $data['id'];

      $flower_id = $data['flowerId'];
         try{
            $query = "INSERT INTO cart (product_id,user_id) VALUES
('$flower_id','$user_id')";

            $res = mysqli_query($connection , $query);
            if($res){
               echo "Sucess"; }
            else{
               echo "Not sucess";} }
         catch(mysqli_sql_exception){
            echo "Error";}}}}
if($_SERVER['REQUEST_METHOD'] == 'GET' ){
   if($connection){
      try{
         $id = $_GET['id'];

         $query = "

         SELECT cart.*, flowers.flower_name AS flower_name, flowers.price, flowers.image
, flowers.type,

         flowers.description ,flowers.flower_id,
         cart.cart_id
         FROM cart

         INNER JOIN flowers ON cart.product_id = flowers.flower_id
         WHERE cart.user_id = '$id'";
         try{

         $res = mysqli_query($connection , $query);
         if(mysqli_num_rows($res)>0){
            $cartData=array();

            while($data = mysqli_fetch_assoc($res)){

               $cartData[] = $data; }

            $cartData = json_encode($cartData);
            echo $cartData; }
         else{

            echo "Not sucess";}
         }catch(mysqli_sql_exception){
            echo "Error ocurres";}}
      catch(mysqli_sql_exception){
         echo "Error";}}}
```

```
    if($_SERVER['REQUEST_METHOD'] == 'DELETE' ){

        if($connection){

            $id = $_GET['id'];

            $query = "DELETE FROM cart WHERE cart_id = '$id'";
            try{
            $res = mysqli_query($connection , $query);
            if(($res)){
               echo "Success - $id";}
            else{
               echo "Not sucess";}

            }catch(mysqli_sql_exception){
               echo "Error ocurres";}  }}?>
```

Order Controller Page (PHP):

```
<?php
include('../config/dbconnection.php');
$db = new DataBase();

$connection = $db->connect();

if ($_SERVER['REQUEST_METHOD'] == 'POST') {

    if ($connection) {

        $user_id = isset($_GET['user_id']) ? intval($_GET['user_id']) : NULL;

        $fid = isset($_GET['fid']) ? intval($_GET['fid']) : NULL;

        $price = $_GET['price'];

        $address = isset($_POST['address']) ? htmlspecialchars(trim($_POST['address'])) : '';

        $city = isset($_POST['city']) ? htmlspecialchars(trim($_POST['city'])) : '';

        $pincode = isset($_POST['pincode']) ? htmlspecialchars(trim($_POST['pincode'])) : '';

        $payment_method = isset($_POST['payment_method']) ?
htmlspecialchars(trim($_POST['payment_method'])) : '';
        $query = "INSERT INTO orders (user_id , address , city , pincode ,payment_method ,
flower_id , price ) VALUES ('$user_id' , '$address' , '$city' , '$pincode' , '$payment_method', '$fid'
, '$price')";

        try {

            $result = mysqli_query($connection, $query);
            if ($result) {
               echo "success";} else {
               echo "Not sucess";}
        } catch (mysqli_sql_exception) {
            echo "Error";}}}
    if($_SERVER['REQUEST_METHOD'] == 'GET' ){

        if($connection){
            try{
               $id = $_GET['id'];
```

```
            $query = "

            SELECT orders.*, flowers.flower_name AS flower_name, flowers.price, flowers.image
, flowers.type,

            flowers.description ,flowers.flower_id
            FROM orders
            INNER JOIN flowers ON orders.flower_id = flowers.flower_id
            WHERE orders.user_id = '$id'";
            try{

            $res = mysqli_query($connection , $query);
            if(mysqli_num_rows($res)>0){
               $orderData=array();

               while($data = mysqli_fetch_assoc($res)){

                  $orderData[] = $data;

               }

               $orderData = json_encode($orderData);
               echo $orderData; }
            else{

               echo "Not sucess";}
            }catch(mysqli_sql_exception){
               echo "Error ocurres";}}
         catch(mysqli_sql_exception){
            echo "Error";
         }}}?>
```

Admin Controller Page (PHP):

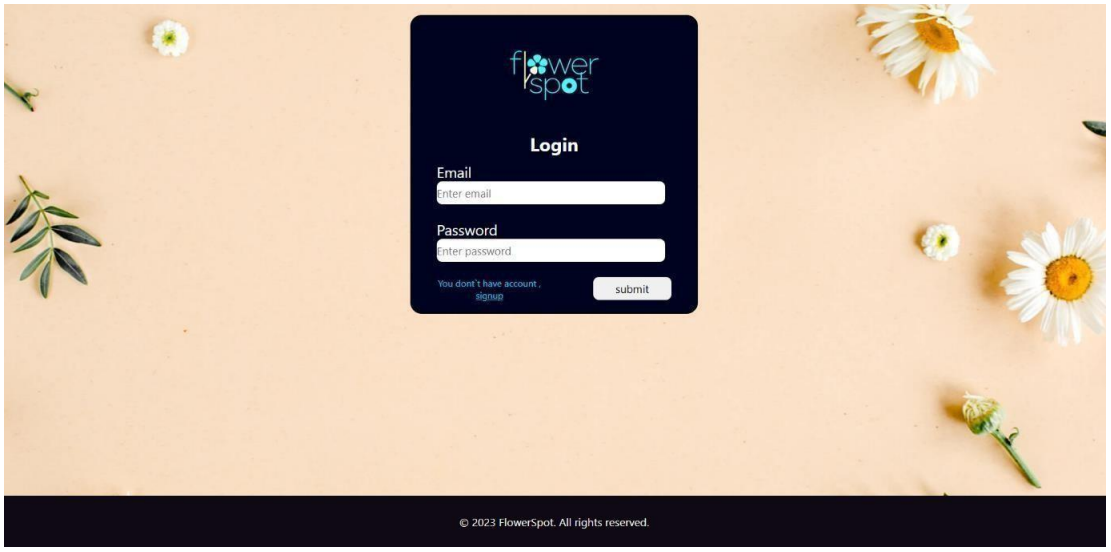
```
<?php

   include('../config/dbconnection.php');

   $db =new DataBase();

   $connection = $db->connect();
   if($_SERVER['REQUEST_METHOD'] == 'POST' ){
      if($connection){

         $target = "public/";

         $flower_name = filter_input(INPUT_POST , "flower_name" ,
FILTER_SANITIZE_SPECIAL_CHARS);

         $flower_desc = filter_input(INPUT_POST , "flower_desc" ,
FILTER_SANITIZE_SPECIAL_CHARS);

         $flower_price = filter_input(INPUT_POST , "flower_price" ,
FILTER_SANITIZE_SPECIAL_CHARS);

         $flower_type = filter_input(INPUT_POST , "flower_type" ,
FILTER_SANITIZE_SPECIAL_CHARS);

          $image_name = basename($_FILES['flower_image']['name']);
```

```
$extnesion = pathinfo($image_name,PATHINFO_EXTENSION);

$path = $target.$image_name;

$ext_arr = ["jpg","jpeg","png"];
if(in_array($extnesion , $ext_arr)){
   if(move_uploaded_file($_FILES['flower_image']['tmp_name'],"../".$path)){

      $query = "INSERT INTO flowers (flower_name ,price,description,image,type)
VALUES ('$flower_name','$flower_price','$flower_desc','$path','$flower_type')";

      $result = '';
      try{
         $result = mysqli_query($connection , $query);

      }catch(mysqli_sql_exception){
         echo "Error";}
      if($result == "success"){
         echo "success";
      }else{

         echo "Can`t upload";

      } } }  else{

   echo "Please upload this type of image {jpeg , jpg , png}";

}}}?>
```

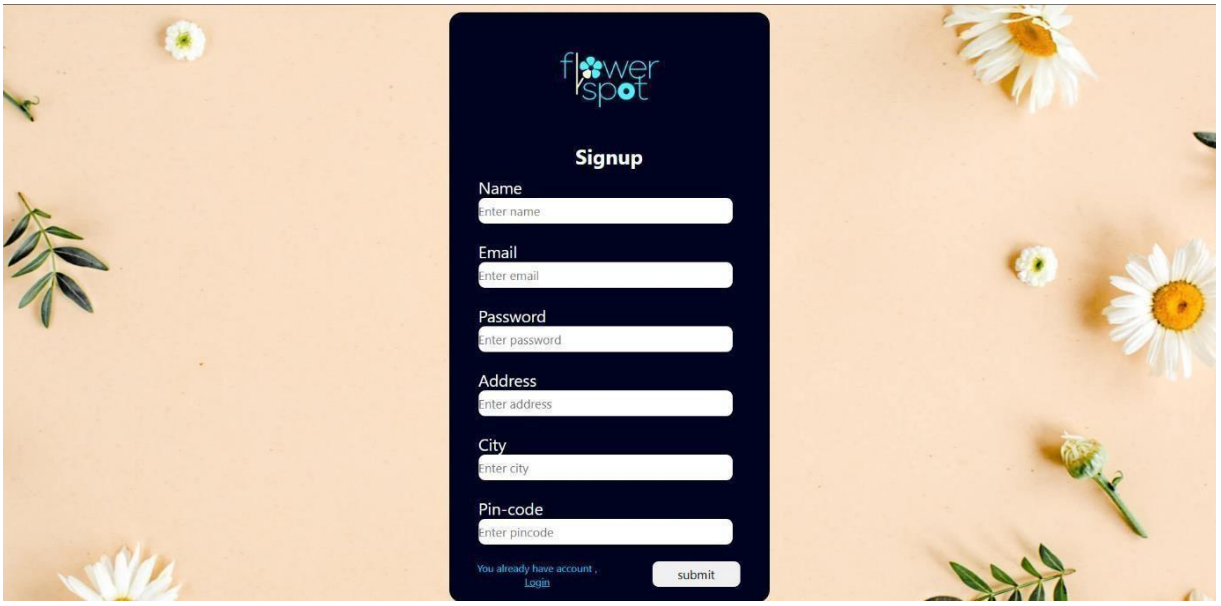
Logout Controller Page (PHP):

```
<?php

   session_start();
   session_unset();
   session_destroy();
   header("Location:../login.php");
   exit();?>
```

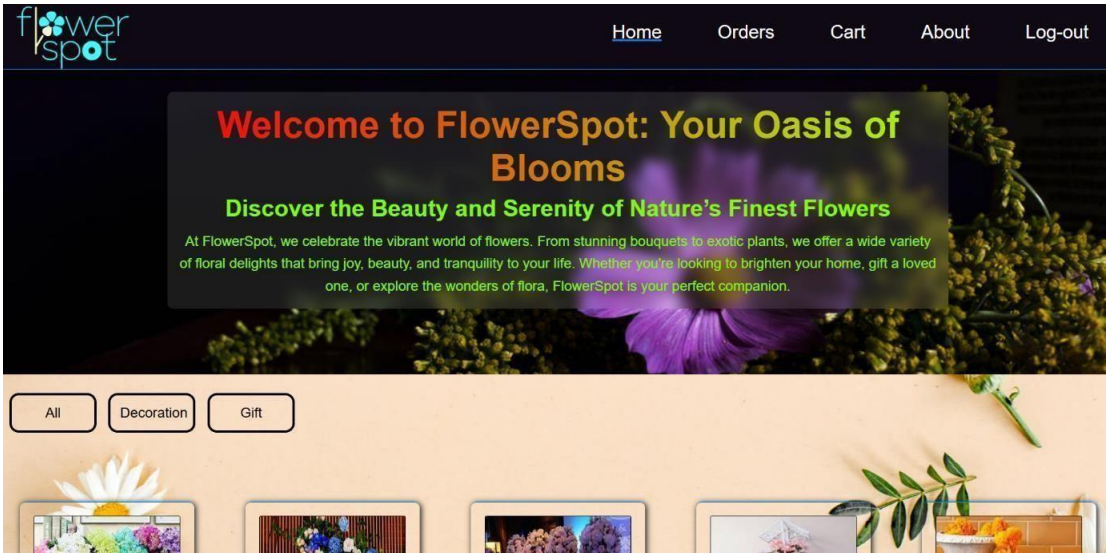
LOGIN PAGE



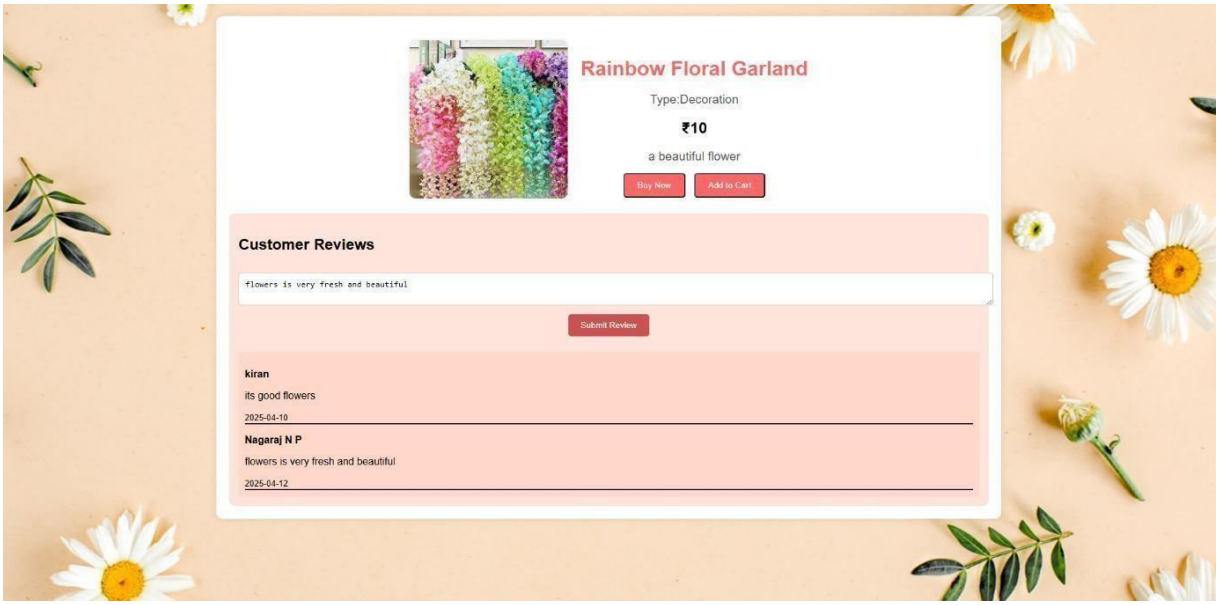
SIGNUP PAGE



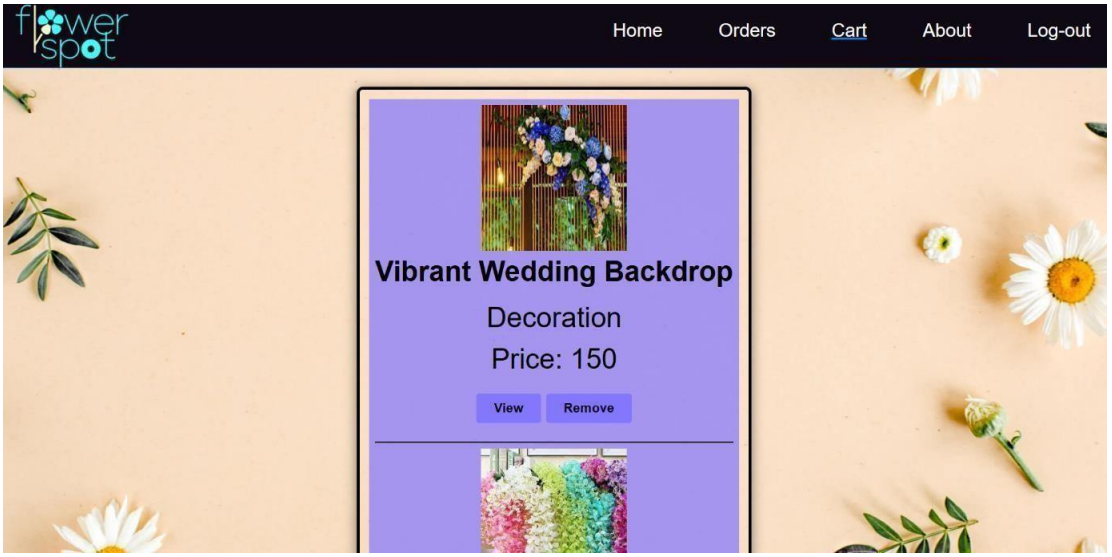
HOME PAGE



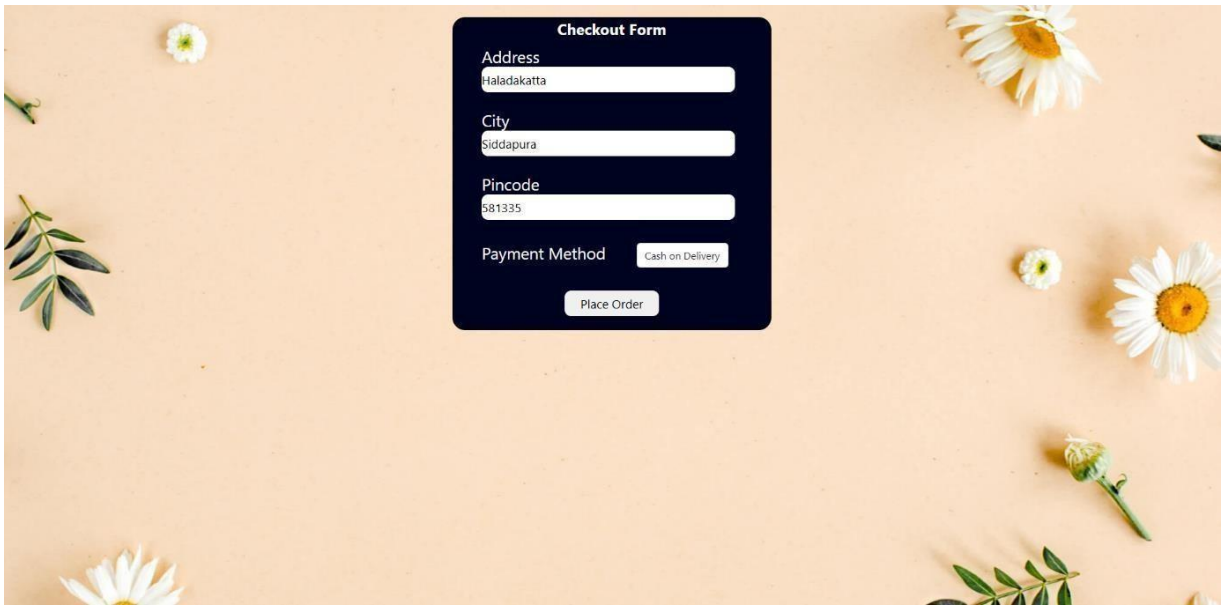
PRODUCT DETAILS PAGE



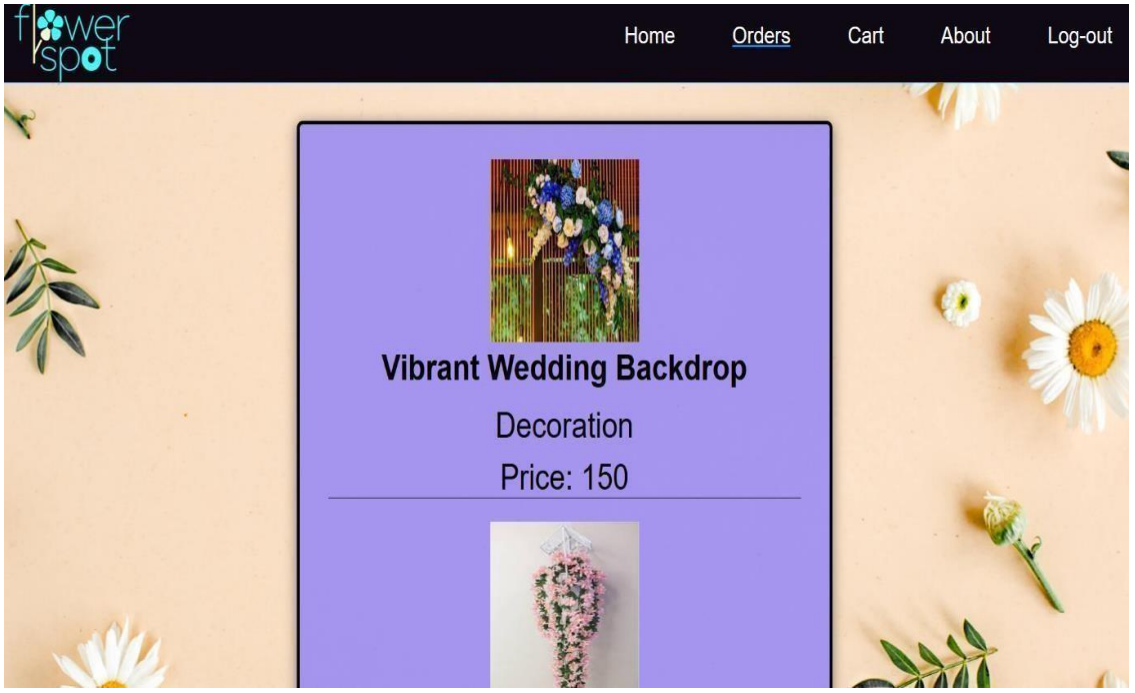
CART PAGE



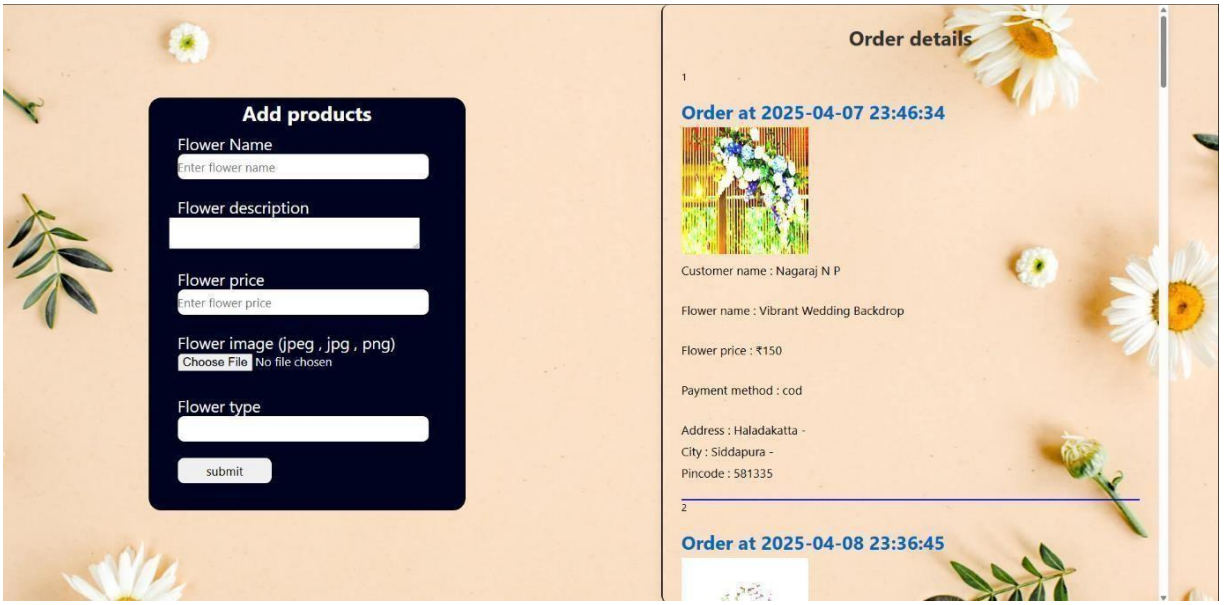
CHECKOUT PAGE



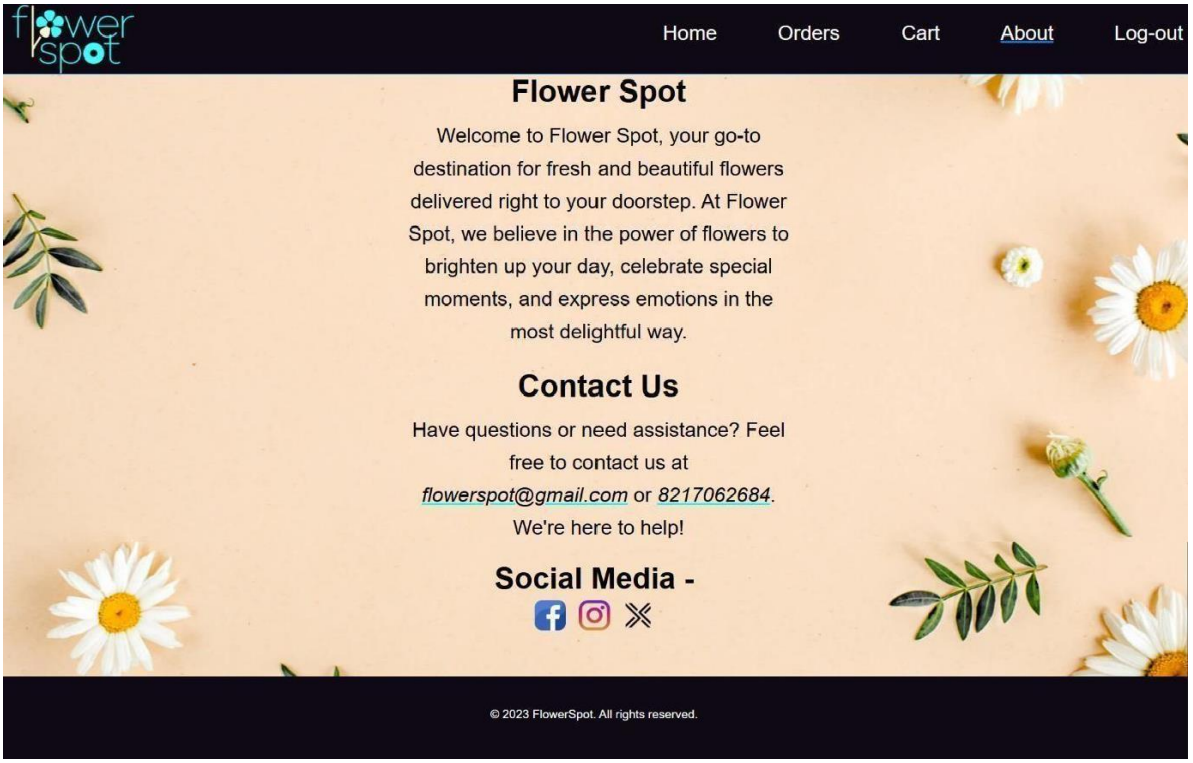
ORDERS PAGE



ADMIN SECTION



ABOUT US PAGE



CHAPTER VIII

CONCLUSION

CONCLUSION

In conclusion, our Flower Spot website represents a dynamic and engaging platform designed to enhance the online experience for flower enthusiasts and businesses alike. The project aimed to bridge the gap between florists and customers by creating a responsive, user-friendly web application with seamless backend integration. With features such as product listings, user authentication, order management, and an intuitive UI, the Flower Spot site streamlines the process of browsing and purchasing floral products.

Throughout the development process, our team demonstrated strong collaboration, technical skills, and a passion for delivering a high-quality product. By leveraging modern web technologies and best practices in both frontend and backend development, we successfully created a scalable and functional solution that addresses real user needs.

This project not only allowed us to apply our technical knowledge in a practical setting but also gave us valuable insights into teamwork, agile development, and deployment strategies. We believe Flower Spot can serve as a solid foundation for future expansion in the online floral marketplace.

Recommendations for Future Improvement

To further enhance the functionality and user experience of the Flower Spot platform, we suggest the following:

- **Integrate Payment Gateway**: Implementing secure payment options will provide a complete e-commerce experience.
- **Add Product Reviews and Ratings**: Allowing customers to leave feedback will build trust and improve product transparency.
- **Enhance Admin Panel**: A more robust admin dashboard with analytics and inventory management features can improve backend operations.
- **Implement Real-Time Notifications**: Use real-time alerts for order updates, new offers, and customer queries.
- **Mobile App Integration**: Expanding to a mobile app could improve accessibility and user engagement.
- **Search Engine Optimization (SEO)**: Optimizing the site for search engines can attract more organic traffic and improve visibility.

CHAPTER IX
BIBLIOGRAPHY AND REFERENCES

Bibliography and References

MDN Web Docs – Comprehensive documentation and tutorials on HTML, CSS, and JavaScript.

https://developer.mozilla.org/

W3Schools – Basic references for web technologies and front-end development.

https://www.w3schools.com/

GitHub – Project repository hosting and version control.

Flower Spot Backend Repository: https://github.com/NagarajPattegr/flowerspot_backend

Stack Overflow – Community-based platform used to resolve various programming queries and errors.

https://stackoverflow.com/

Bootstrap Documentation – For responsive design and front-end component usage.

https://getbootstrap.com/docs/

Visual Studio Code – Code editor used for development with built-in Git integration.

https://code.visualstudio.com/