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A Project Report
On
“Floral Fables”

Submitted to
Department of Humanities (BCA)
New Summit College

In Partial Fulfillment of Requirements for the Bachelor Degree in Computer Application

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ABSTRACT

The introduction of e-commerce has transformed the way businesses operate, allowing for seamless transactions and providing convenience to customers all over the world. The “Floral Fables” E-commerce Project aims to capitalize on this trend by establishing an online marketplace for buying plants and related. This project report describes the goals, scope, and methodology for developing the Floral Fables E-commerce platform. The platform will offer a diverse range of plants, both indoors and outdoors. Customer will be able to browse, choose, and buy products without leaving their homes. The report goes over how the project will help meet the growing demand for greenery and gardening enthusiasts. It also focuses on market analysis, which identifies the target audience, competitors, and potential challenges in the e-commerce landscape.

The implementation plan describes the technical aspects of platform development, such as website design, database management, payment integration, and security measures. The report emphasizes the value of user experience, responsive design, and mobile compatibility in improving customer satisfaction and retention. The Floral Fables aims to create a user friendly, secure, and efficient platform for purchasing plants and gardening products online.

Keywords: *Floral Fables, E-commerce, payment integration.*

ACKNOWLEDGEMENT

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LIST OF ABBREVIATION

ABBREVIATION	DEFINITION
CSS	Cascading Style Sheets
DFD	Data Flow Diagram
ER	Entity-Relationship
FF	Floral Fables
GUI	Graphical User Interface
HTML	Hypertext Markup Language
JS	JavaScript
PHP	Hypertext Pre-Processor
SDLC	Software Development Life Cycle
SQL	Structured Query Language
TU	Tribhuvan University
VS Code	Visual Studio Code
XAMPP	X-operating system, Apache, Mysql, Php, Perl

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CHAPTER 1

INTRODUCTION

1.1. Introduction:

In today's digital age, ecommerce platforms have become essential for businesses looking to reach a larger audience and streamline sales processes. Floral Fables is a unique online destination dedicated to improving people's lives through indoor plants. Our mission is to make plant care easy and enjoyable for everyone, regardless of gardening experience. We have a diverse selection of indoor plants, including succulents, ferns, air plants, and more, all carefully chosen for their beauty, resilience, and ease of care.

At Floral Fables, we believe that plants have the ability to transform spaces and lift spirits. Whether you're a seasoned green thumb or a novice gardener, our diverse selection of plants, flowers, and herbs has something for everyone. Our platform is designed to provide a seamless shopping experience, with detailed plant descriptions, and tips to assist customers in selecting and nurturing their plants effectively. We believe that plants not only improve the appearance of living spaces, but also contribute to mental health, air quality, and overall happiness.

Floral Fables, however, is more than just a plant store; it is a community of plant enthusiasts who are united by a love of nature and a dedication to sustainability. Join us on a journey of discovery as we explore the wonders of the plant kingdom, share gardening advice, and celebrate the beauty of green living.

Floral Fables is a platform that allows customers to buy products and services online. Where the customers browse and view the product available for purchase. This website contains user friendly UI with admin dashboard and provide a secure payment method and hassle-free way to shop.

1.2. Problem Statement:

Floral Fables is a complex task that requires careful planning and execution. Floral Fables must transition from manual plant sales to an efficient online system due to the inefficiency and errors associated with traditional techniques. Implementing a user-friendly and scalable ecommerce platform is critical for effectively managing sales across multiple floral environments.

1.3. Objectives:

To transition from manual sales methods to an efficient online system, Floral Fables aims to achieve the following objectives.

Some other objectives of the projects are:

- To improve sales efficiency by implementing an online ecommerce platform.
- To provide flexibility to adapt to the evolving needs of the floral industry.
- To expand market reach by leveraging the power of digital commerce.

1.4. Scope and Limitations:

1.4.1. Scope:

The scope of Floral Fables includes the creation and implementation of a comprehensive online ecommerce platform designed specifically for the floral industry. This includes creating and launching a user-friendly website that highlights the boutique's exquisite floral arrangements and offers customers a seamless browsing and purchasing experience. Additionally, the scope includes the integration of secure payment gateways to facilitate hassle-free transactions while protecting sensitive customer information.

1.4.2. Limitations:

The limitation of the project is:

- Budget constraints.
- Scalability challenges.
- Not applicable for larger organizations.
- Scalability and Performance.

1.5. Development Methodology:

Iterative Waterfall Methodology was used to develop our project. The reason for choosing the iterative waterfall methodology for developing the Floral Fables was the project requirements were clear and unlikely to change. With iterative waterfall, we followed a step-by-step approach where each phase was completed before moving on to the next. This helped us to ensure that we had a solid foundation before moving forward and reduce the risk of confusion and unexpected changes.

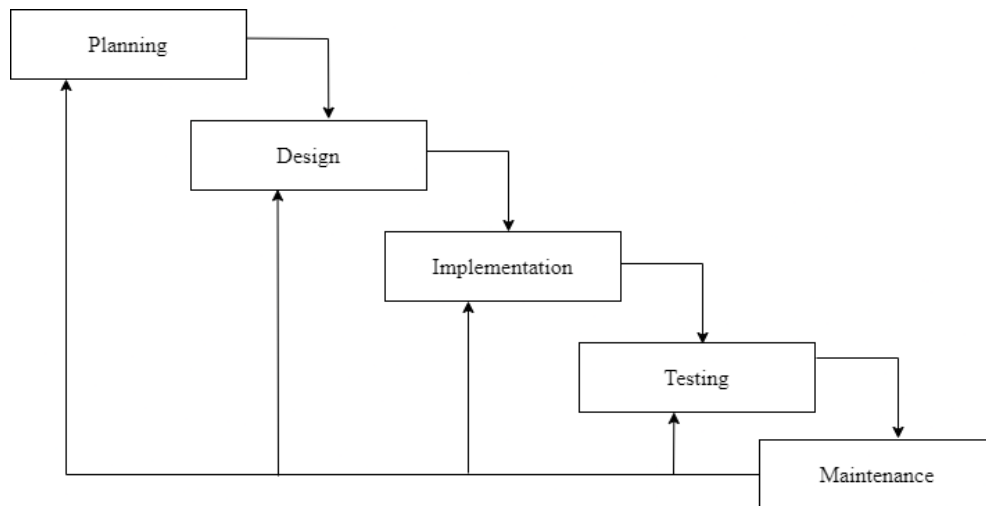


Figure 0-1.1: Iterative Waterfall model

Here, are some details about how the above steps were implemented: -

- **Requirements**

The iterative waterfall requirement phase involves analyzing and documentation of all needs and requirements. In the initial stage of developing 'Floral Fables' I all the gathered vital information. I carefully defined the software's objectives, which included identifying the core functionalities that would make Floral Fables a comprehensive solution. After lots of discussions and planning, put together a detailed information that listed all the things the requirements of software. This phase provided a clear roadmap for the development process in a systematic manner.

- **Design**

Once the requirements were finalized, I began the system design phase. I created UI/UX of our proposed system, including the data flows and various other diagrams. This phase ensured that all aspects of the system were properly planned and documented before moving to the next stage.

- **Implementation**

In the next phase, after finalizing the design we worked on actually building 'Floral Fables' This involved writing the code that made the software run, using languages like HTML, CSS, JavaScript, and PHP. I followed the detailed plan laid out in the requirements document to ensure and included all the features and functions which was defined earlier.

- **Testing**

In the testing phase, I put my system through different testing levels to make sure it worked correctly and met requirements. I carried out a series of tests to identify any issues, bugs,

or glitches in the software. I tested every aspect of the software, from the user interface to the functionality. I made sure that users could easily see different florals details and get notified of being approved or cancelled. If any issues were detected, it was corrected immediately.

- **Maintenance**

Here , I make sure that the system is managed and enhanced even after its deployment and ensure the system's continued functionality, performance, and usability over time.

1.6. Report Organization:

The report is organization into 5 chapters:

Chapter 1: Introduction:

In this section, the brief introduction of our project, statement of problem and its objectives are discussed.

Chapter 2: Literature Review and System Analysis:

The previous work related to my systems and similar works were studied and different feasibility analysis is summarized in this section.

Chapter 3: System Design:

In this section, I have design system architecture, system flow diagram, dataflow diagram etc.

Chapter 4: Implementation and Testing:

In this section, various implementation method and tools are discussed and also contains description of testing.

Chapter 5: Result and Conclusion:

In this section, conclusion to our project and description about what features can be added in the future has been described.

CHAPTER 2

BACKGROUND STUDY AND LITERATURE REVIEW

2.1. Background Study:

Floral Fables is a unique plant shop known for its innovative floral designs. Floral Fables recognizes the importance of establishing an online presence to cater to the preferences of modern consumers, given its growing customer base and increased demand for online shopping options. The ecommerce website will function as an extension of the physical store, providing customers with a convenient and accessible platform to browse, purchase, and send beautiful floral arrangements for a variety of occasions. Admin can log into system through their login credentials and after login admin manages various sections including adding, managing plants. Customer also known as User in the system can register themselves and after registration, user can log in with registered email id and password. After login User gets their own profile to manage entire access like selecting plants and add them to the cart etc. So, the existing system requires more time to do a piece of work, for this reason the online ecommerce plant shop is implemented.

2.2. Literature Review:

The Electronic Commerce site consists of purchasing and selling products that are intended to benefit both gardeners and users. This platform aims to assist local gardeners in selling their plants online and to provide a more convenient and reliable way for users to find, view, and purchase the desired plants that are suitable for their needs. Customers can also obtain product descriptions and details online. The website also included an auto suggest engine, which users could use to search for plants if they didn't know how or what to grow. cloud-based hospitality property management system designed for independent and chain hotels, hostels, campgrounds, and vacation rentals, which offers an online booking system and multiple third-party integrations and partnerships [1].

Plant and Décor provides you with a one-of-a kind and dedicated platform to buy indoor and outdoor plants in Nepal. Here, you can find indoor plants, plant pots and accessories to take advantage of all the health benefits these plants provide and to also make your home look more vibrant and amazing [2].

Mali Nepal is an online plant delivery company based in Kathmandu, Nepal, offering a delightful selection of the finest plants, fruits, vegetables, and flowers to enhance your living spaces. Nestled in the serene landscapes of Nepal, our beautiful plant shop takes pride in cultivating high-quality botanical treasures that bring nature's beauty into your

home, office, restaurant, or café. With a passion for nurturing greenery and spreading joy through vibrant blooms, we invite you to explore our carefully curated collection and find the ideal plants to elevate your surroundings. Whether you want a touch of greenery to brighten your workspace or a pop of color to adorn your living room, our exquisite plants and flowers will infuse your space with beauty, tranquility, and positive energy [3].

Your Koseli is one such celebration portal from which you can buy the best indoor plants online. The plants online available on our website are potted and are good air purifiers. Buy these pleasant plants online from Your Koseli Nepal and get online plant delivery at your dear ones' address to convey your best regards to them. Each of our plants for gifts comes along with our efficient doorstep online plant delivery to notch up your gifting gesture to the core. Also, along with our exotic plant online collection, one can even have a look at our artificial plant collection if they feel maintaining a real plant isn't their forte [4].

Petals Argo Nepal is an extraordinary E-commerce platform that celebrates the beauty of nature and brings the joy of plants and flowers to homes in Nepal. At Petals Agro Nepal, users can explore a wide selection of indoor and outdoor plants, vibrant flowers, and delightful bouquets, all in one place. Our E-commerce Development expertise enabled us to create a visually appealing website that perfectly showcases the charm of plants while providing a seamless shopping experience. From browsing through an array of plants to reviewing products and making secure payments via trusted gateways, Petals Agro Nepal ensures a user-centric and reliable platform for plant enthusiasts [5].

CHAPTER 3

SYSTEM ANALYSIS AND DESIGN

3.1. System Analysis:

The system analysis of the system is done by conducting requirement analysis, feasibility analysis, data modeling and process modeling as follows:

3.1.1. Requirement Analysis:

The term requirements determination explains the overall things that can be done within the system in simpler manner. The requirement analysis of hostel management system is done through finding the functional and non-functional requirements for the system.

- **Functional Requirements:**

Functional Requirements are the statements of services the system should provide, how the system should react to particular inputs and how the system should behave in various situations.

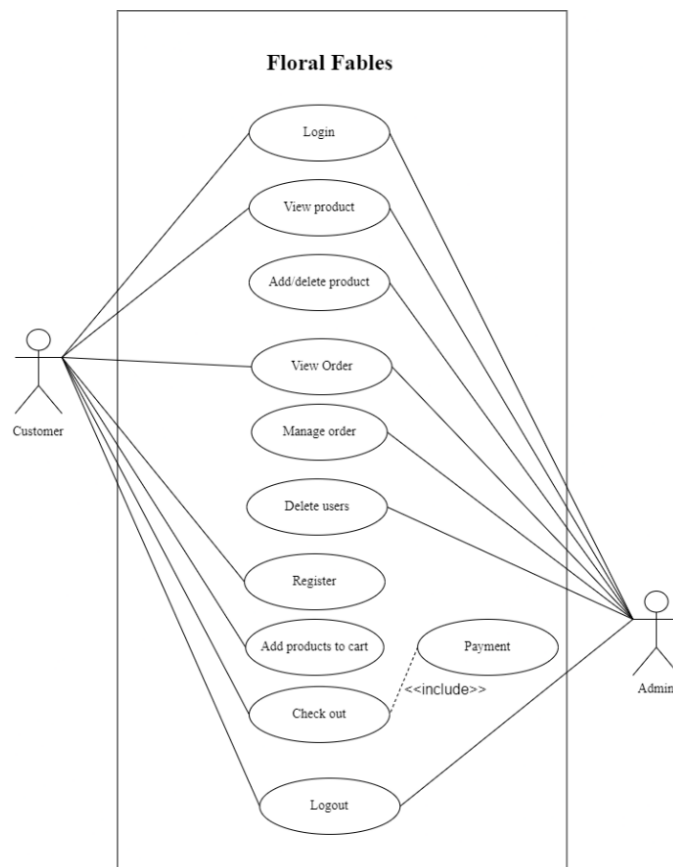


Figure 1 0-1.1: Use Case Diagram of Floral Fables

- **Non-functional Requirements:**

The non-functional requirements include:

- It should be easy to use and navigate for both user and admin.
- It should have a user-friendly interface.
- The system should be secured from unauthorized usage and access.
- The system should be always reliable and available to users.

Overall, the non-functional requirements of the system are designed to ensure that the system is reliable, accessible, and user-friendly, while also being scalable and cost-effective.

3.1.2. Feasibility Analysis:

Feasibility analysis is used to assess the strengths and weaknesses of a proposed project and present directions of activities which will improve a project and achieve desired results.

- **Technical Feasibility**

The system can run in any device which supports internet connectivity and does not require any new technology to be developed. So, our system is technically feasible.

- **Operational Feasibility**

The system is easy to operate. Admin, and user can login the system and can use the system in efficient way. So, our system is operationally feasible.

- **Economic Feasibility**

The projects economic cost revolves around the hardware and software charge which is minimal. Hence, the project is economically feasible.

- **Schedule Feasibility**

Schedule feasibility is the degree to which a deadline for a strategy, plan, project or process is realistic and achievable. The feasibility of this project is high as the system can be completed within the time limit.

Table 3.1 1: Gantt Chart

Working Time	10 th Oct	25 th Nov	15 th Dec	28 th Dec	10 th Jan	16 th Feb
Planning						
Design						
Implementation						
Testing						
Maintenance						
Documentation						

3.1.3. Data Modelling:

- E-R Diagram

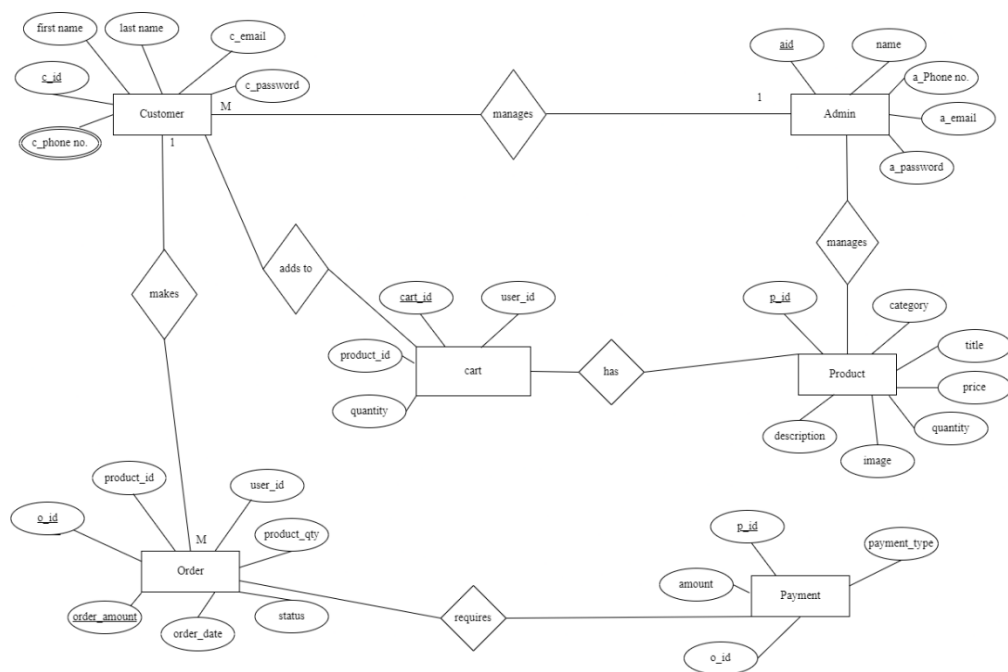


Figure 1 0-2.2: ER Diagram FF

This ER (Entity Relationship) diagram provides a simplified representation of Floral Fables e-commerce website. It consists of 6 entities: Customer, product, cart and payment. The Customer entity represents the customers of the store and includes attributes such as Customer_id, name, email, phone, and address. This diagram shows the working principles of ecommerce websites.

3.1.4. Process Modelling:

- **Context Diagram**

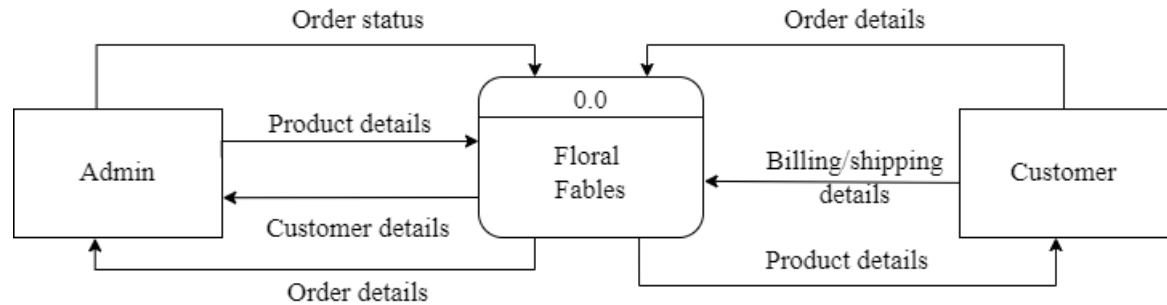


Figure 1 0-3.3: Context Diagram

This context diagram represents the result viewing system through Floral Fables E-shop, illustrating the high-level process. It serves as a contextual diagram, providing an overview of the login process and showing. All the essential steps and components are captured in a single diagram, offering a comprehensive understanding of our system.

- **Level 1 DFD of Admin**

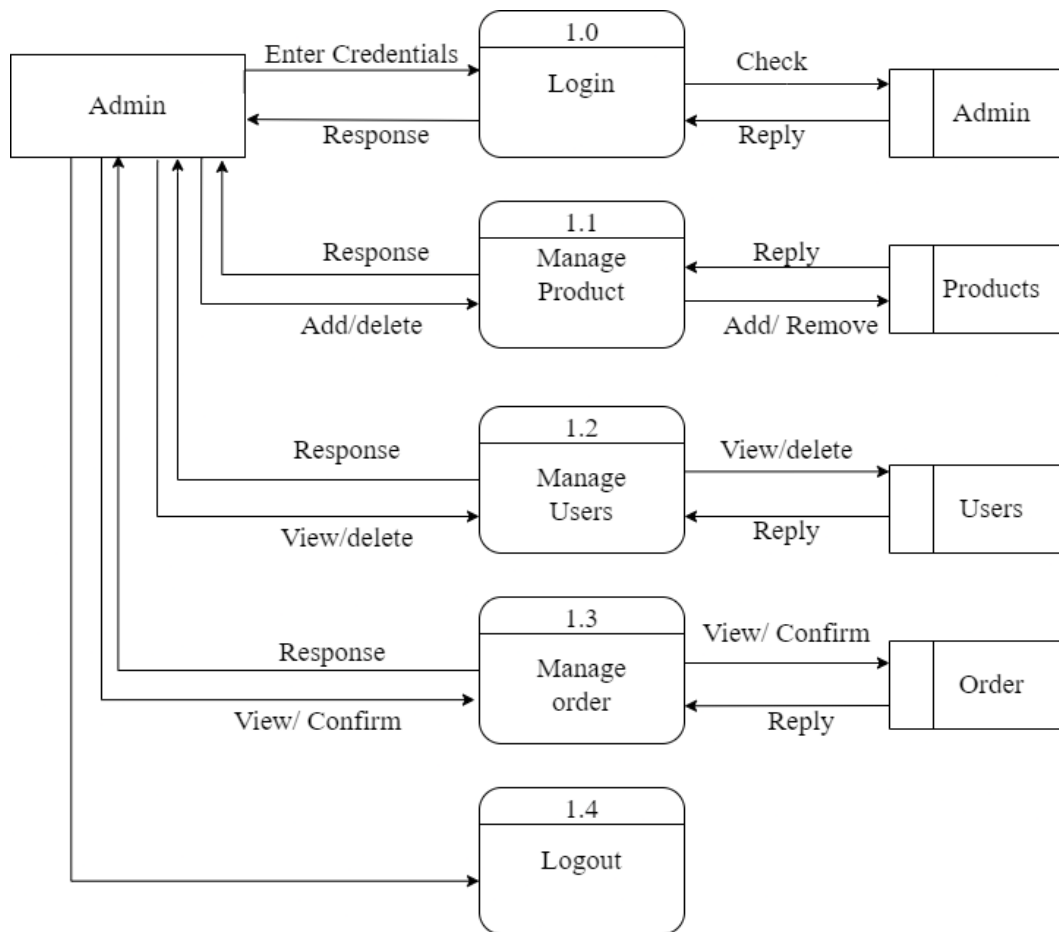


Figure 1 0-4.4: Level 1 Admin

First level DFD of Floral Fables E-shop of e-commerce website shows how the system is divided into sub systems. It is an admin level one DFD which also identifies internal data stores of authentication, uploads, login status, manage items, manage orders and manage reports. It provides a more detailed breakout of zero level DFD.

- **Level 1 DFD of Users**

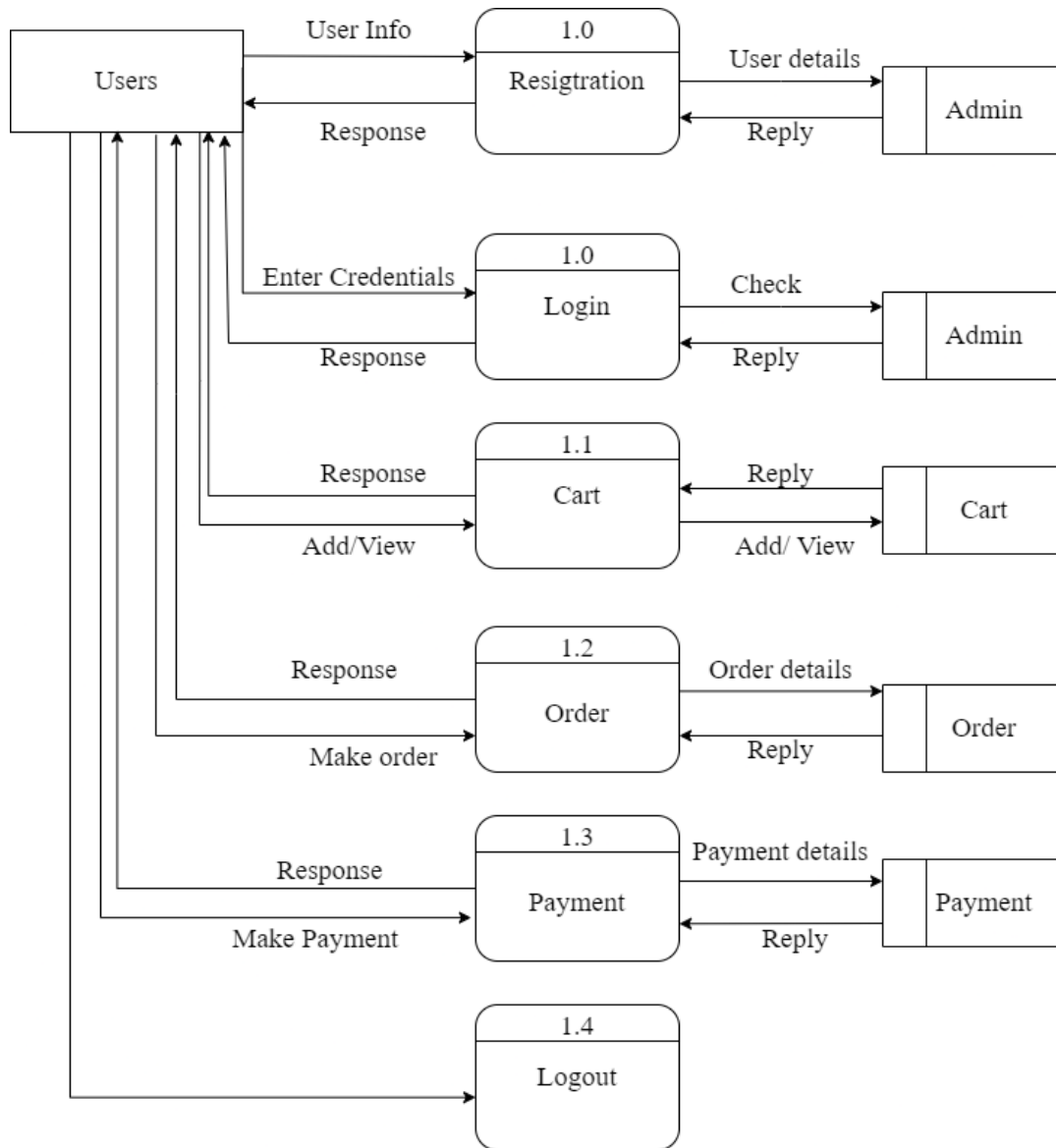


Figure 1 0-5.5: Level 1 Users.

This is User level 1 DFD of Floral Fables E-shop which shows the data stores of User login, authentication interface, make order, buy item, and make payment. It provides a more detailed breakout of zero level DFD.

3.2. System Design:

3.2.1. System Flow Diagram:

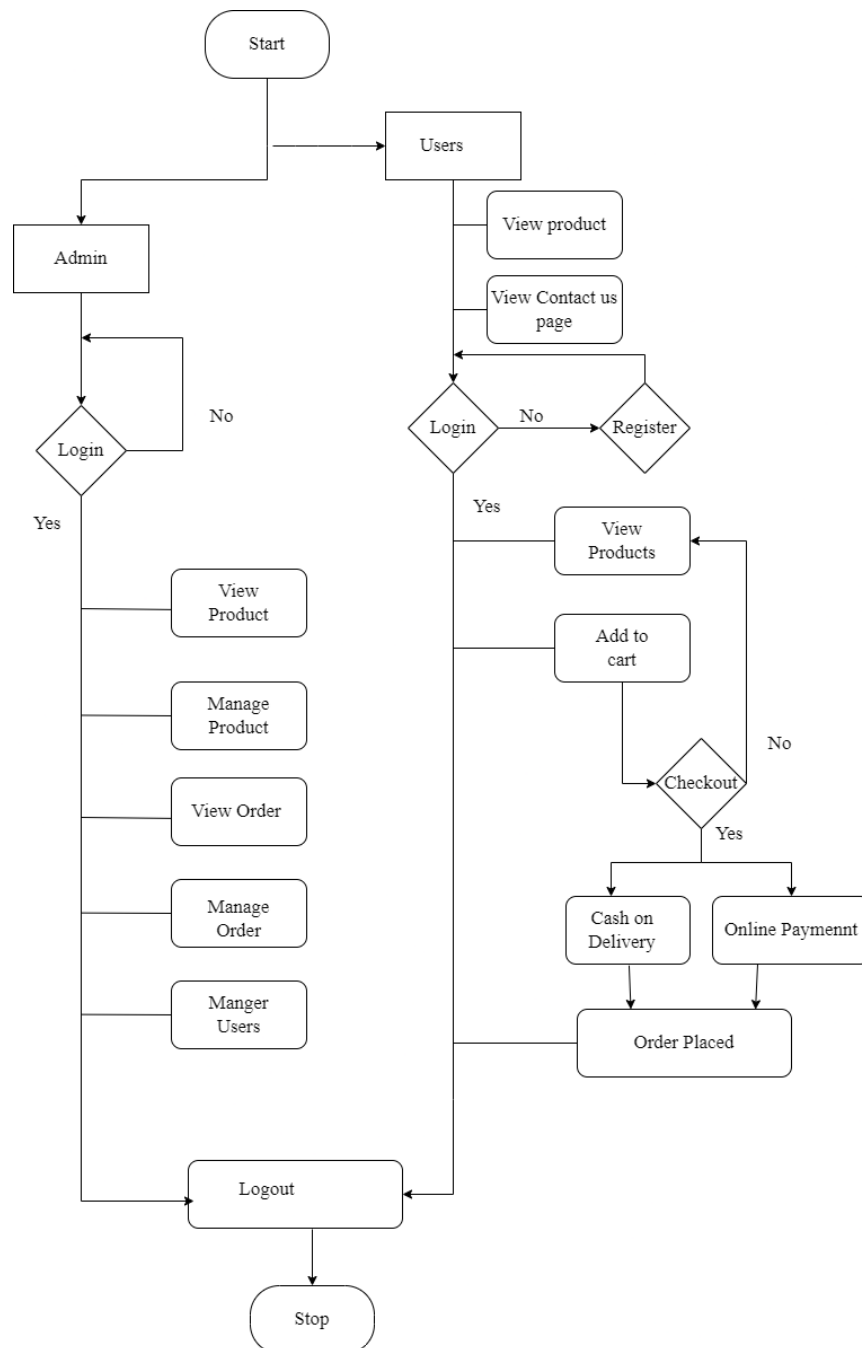


Figure 1 0-6.6: System Flow Diagram

CHAPTER 4

IMPLEMENTATION AND TESTING

4.1. Implementation:

The “Floral Fables E-shop” works as Web application system. It is implemented using HTML, CSS and JavaScript including jQuery as a front end, PHP is used as backend programming and MYSQL is used for the database and the text editor used was VS Code. XAMPP was used as the offline local server. As planned in the designed phase, waterfall model was used as the development methodology.

PHP

PHP is used as a programming language for this project. Back end of the system is designed with PHP.

Html

In our system, Html is used for creating webpages. Version: HTML 5.

CSS

CSS is used for designing the Html pages and to layout the Html documents.

Bootstrap

We have used bootstrap as it is a compiled CSS and JavaScript source code.

VS Code

To write and modify code VS Code is used.

MySQL

MySQL is an open-source relational database management system. It is used to store the information of admin as well as users.

4.2. Testing:

4.2.1. Unit Testing:

Unit testing is the examination of the tiniest software components, which are the modules or individual code pieces. The main goal is to ensure that each module is capable of correctly performing its designated tasks, which included responsibilities like managing user registrations, overseeing ordering process, and maintaining history. Throughout these testing procedures, the emphasis is placed on verifying the accuracy of data processing and the generation of expected results. If any issues are encountered during this process, they were recognized and addressed to maintain the integrity and performance of the software.

Test Cases for Unit Testing

Table 3.1 2: Unit Testing

S.N.	Test Case ID	Test Description	Steps Executed	Expected Result	Actual Result	Pass / Fail
1	UT-001	Opening Floral Fables	URL of Floral Fables entered in search bar	Homepage of Floral Fables should be displayed	Homepage of Floral Fables was displayed	Pass
2	UT-002	Clicking on navigation bar	Click on options of navigation bar of pages	User should navigate through different pages	User were navigated through different pages	Pass
3	UT-003	Clicking on Registration option of navigation bar	Click on Registration option	A form which can register a user should opened	A form that can register a user was opened	Pass
4	UT-004	Clicking on login option of navigation bar	Click on login option	A login form should open which helps to communicate With system	A login form was opened which helped to communicate with system	Pass

Testing Admin Panel

Table 3.1 3: Admin Panel

S.N.	Test Case ID	Test Description	Steps Executed	Expected Result	Actual Result	Pass / Fail
1	UT-101	Entering incorrect e- mail or password	Incorrect email and/or passwords should beentered	Message saying invalid user or password should be displayed	Message saying Wrong Emailor Password!was displayed	Pass
2	UT-102	Clicking on navigation bar	Click on options of navigation bar	Admin should navigate through different pages	Admin was navigated through different pages	Pass
3	UT-103	Clicking onAdd plant option	Click on room option and clickon Add plant submenu	A form that can addplant should be opened	A form that can add plant	Pass
4	UT-104	Clicking on Update admin option	Click on profile option, click on Manage admin profile and click Update option	Admin profile detail should be shown which should be edited / Updated	admin profile was shown which can be edited / Updated	Pass

5	UT-107	Clicking on user edit option	Click on user, and click edit option	User details should be updated.	User details was updated	Pass
6	UT-108	Clicking on Delete user option	Click on user option, click on Delete option	User detail should be deleted	user detail was deleted	Pass
7	UT-109	Clicking on Sold option	Click on sold option	Sold products details should be shown	Sold product Details are displayed	Pass
8	UT-110	Clicking on repair option	Clicking on repair option	Product details along with repair status should be displayed.	Product details and repair status are displayed.	Pass
9	UT-111	Clicking on Setting option and updating.	Clicking on Setting option change input value and submit	Website name, logo and footer should be changed	Website name logo and footer are changed	pass

Testing User Panel

Table 3.1 4: User panel

S.N.	TestCase ID	Test Description	Steps Executed	Expected Result	Actual Result	Pass / Fail
1	UT-201	Entering incorrect email or password	Incorrect email and/or passwords should be entered	Message saying invalid email or password should be displayed	Message saying invalid email or password was displayed	Pass
2	UT-202	Clicking on navigation bar	Click on options of navigation bar	Student should navigate through different pages	Student was navigated through different pages	Pass
3	UT-203	Clicking on my profile	Click on my update option	Page should be displayed where user can view and update their profile.	Page was displayed where user can view and update their profile	Pass
4	UT-204	Clicking on change password	Click on change password	Page should be displayed where user can change password	Page was displayed where user can change password	Pass

5	UT-205	Entering incorrect old password	Click on change password option and enter incorrect password	Message saying old password not matched should be displayed	Message saying old password not matched was displayed	Pass
6	UT-206	Entering different confirm password	Click change password option and enter different confirm password	Message saying password and re-type password do not match should be displayed	Message saying password and re-type password do not match was displayed	Pass

4.2.2. Integration Testing:

During integration testing, individual testing, individual modules, or units of code are combined and tested together to identify any issues that arise from their interactions. The primary objective is to validate that these integrated modules work seamlessly as a whole, effectively communicating and sharing data. It verifies that user registrations, user management, and room records seamlessly integrate within the system.

Test cases for System Testing

Table 3.1 5: System Testing

SN	Test CaseID	Test Case Name	Test Case Description	Step Executed	Expected Result	Actual Result	Pass/Fail
01	TC 101	Security Testing	Checking Security to access login	Login with your registered email and password	Successful Login Directed to User Dashboard	Successful Login Directed to User Dashboard	Pass
02	TC 102	Security Testing	Checking Security to access login	Try login with unauthorized email and password	An error message “Invalid email or password” must be displayed.	An error message “Invalid email or password” was displayed.	Pass
03	TC 103	Usability Testing	User book plants	Fill the form and book plants	Plant should be added to cart.	Plant should be added to cart.	Pass
04	TC 104	Usability Testing	Admin add plant	Add plant details.	New plant should be added	New plant was not added.	Fail

CHAPTER 5

RESULT AND CONCLUSION

5.1. Result:

On the process of this system development, I really enhanced my skill and experienced a lot of things. A whole process really gave me an opportunity of many things such as researching, coordination with many individuals to share ideas and knowledge. It was totally a new experience to develop an OOP based project which made my time challenging and entertaining as well. The more I learned about new things, more I got motivated to do further task. I implemented my ideas, knowledge on this project to make it bigger and better. I find lots of new ideas even for other type projects in the process of SDLC. Researching about literature review made me to brain-storm to find errors and missing components on other systems and to find solutions for that. It taught me to solve the real-life problems of people, to find ideas and to solve various issues of people.

As a whole this project made me more skillful, learned new things which are useful to enhance my skill. The journey of SDLC was all about finding problems and solving them, about researching various things, new environment, sharing of knowledge and skill, a positive challenge, motivation and an ability of dealing with errors and various problems with positivity.

5.2. Conclusion:

From a proper analysis of positive points and constraints on the component, it can be safely concluded that the product is a highly efficient GUI based component. This application is working properly and meeting to all user requirements. This component can be easily plugged in many other systems. This particular project deals with the problem on managing a plants ecommerce site and avoids the problems which occur when carried manually. Floral Fables is a user-friendly system which is very easy and to convenient to use.

5.3. Future Enhancements:

Due to a shortage of time, the logical portion is not as appealing as it could be. The logical function of the website can be improved further. A more logical function could be added to make our website more secure and effective. This project website has been developed in such a manner that the future requirements of the user are met. The project is flexible to adapt the changes efficiently without affecting the present system. In future, there can be a provision to adjust the questions as per the requirement.

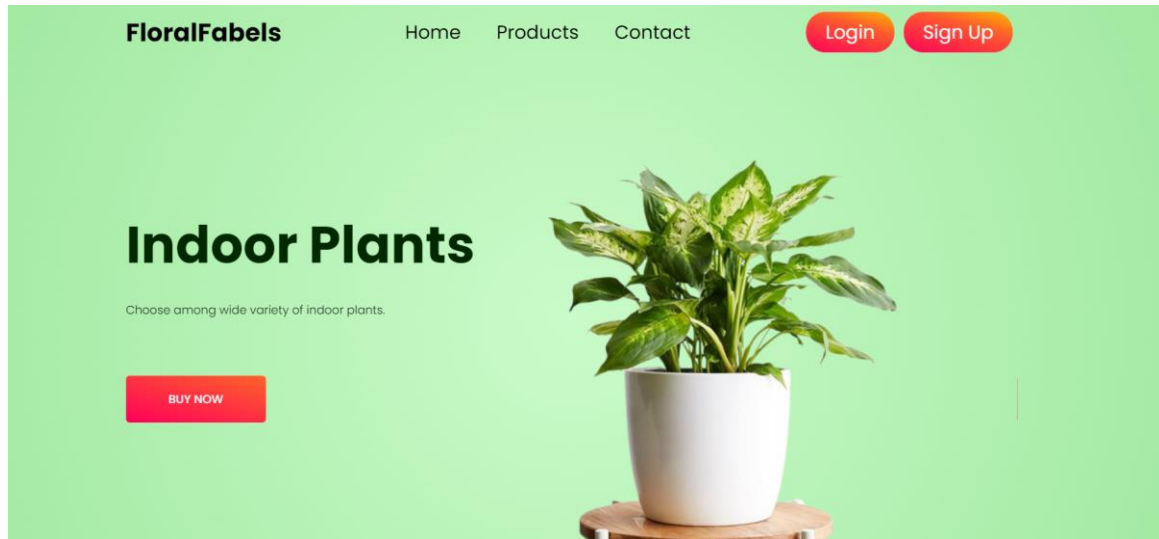
References

- [1] J. B. a. M. R. c. Anna Fay, "Research Gate," may 2017. [Online]. Available: www.researchgate.com. [Accessed 2017].
- [2] P. Decor, "Buy Plant and Decor," 2022. [Online]. Available: plantanddecor.com.
- [3] M. Nepal, "Mali Nepal," 2022. [Online]. Available: info@malinepal.com. [Accessed 2022].
- [4] Y. Koseli, "Your Koseli," 2022. [Online]. Available: www.yourkoseli.com. [Accessed 2022].
- [5] K. Thapa, "Petals Agro," Kokil THapa, 2024. [Online]. Available: <https://kokil.com.np/portfolio/petals-agro-nepal>. [Accessed 2024].

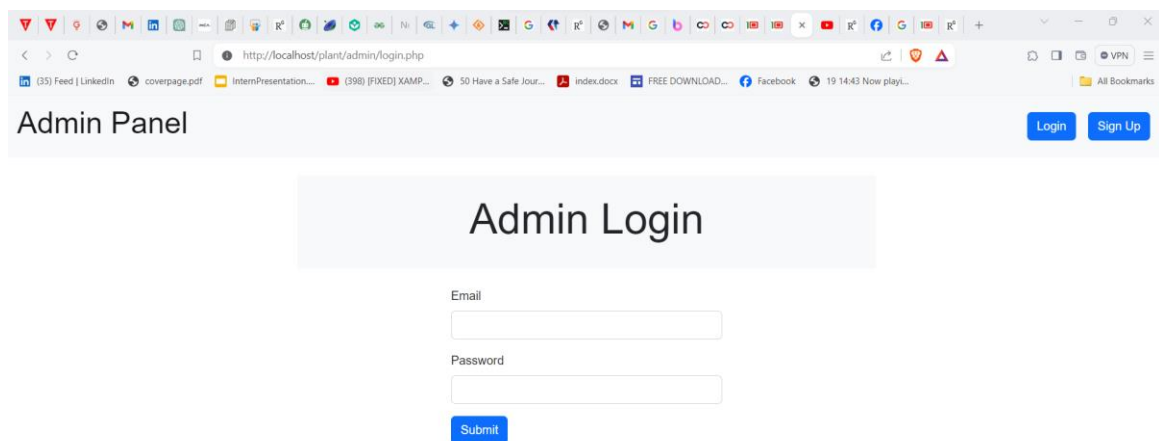
APPENDICES

Appendices A: Screenshots

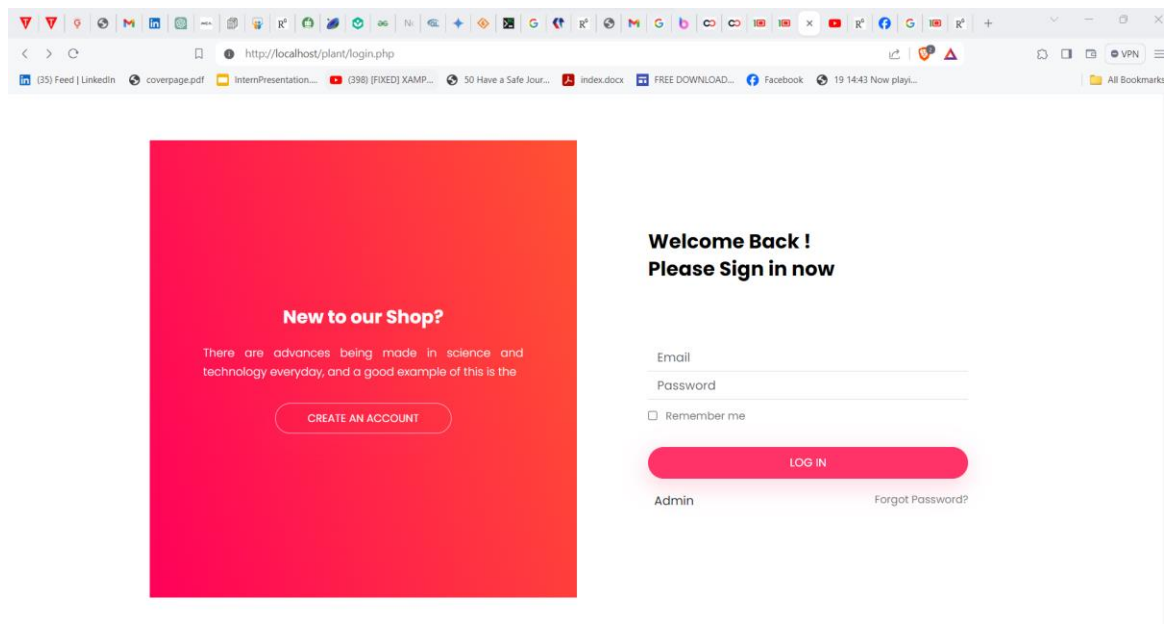
Home Page:



Admin Login Page:

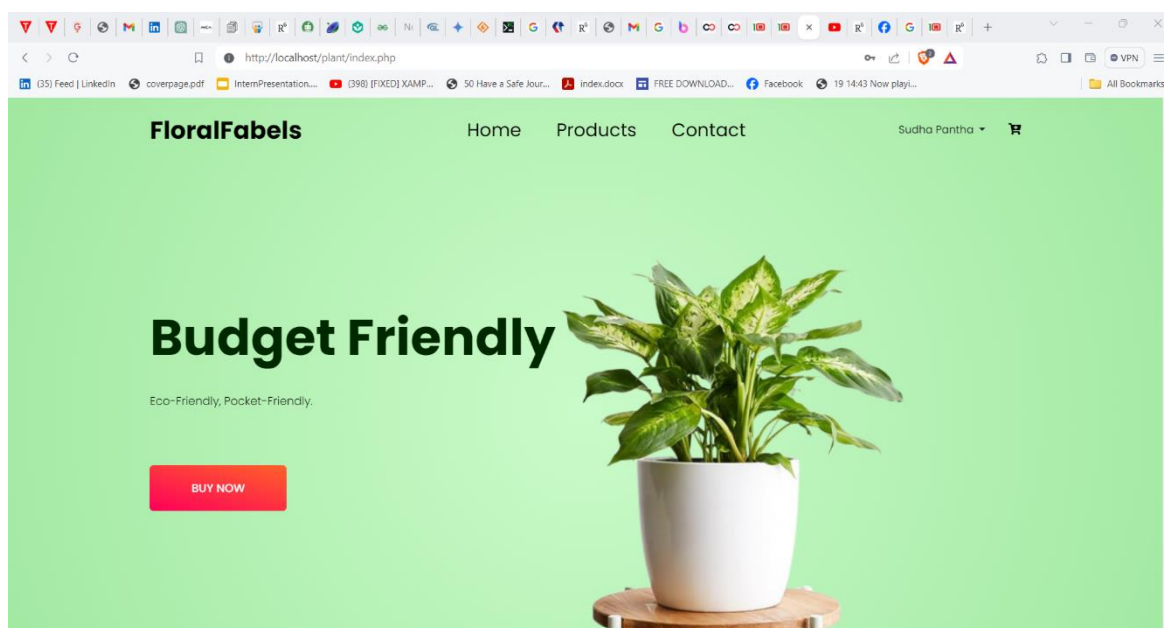


User Login Page:



The screenshot shows a web browser window with the URL `http://localhost/plant/login.php`. The page is divided into two main sections. On the left, there is a large red rectangular area with the text "New to our Shop?" and a subtext "There are advances being made in science and technology everyday, and a good example of this is the". Below this text is a button labeled "CREATE AN ACCOUNT". On the right, there is a white area with the heading "Welcome Back ! Please Sign in now". Below the heading are input fields for "Email" and "Password", a checkbox for "Remember me", and a red button labeled "LOG IN". At the bottom of the right section, there are links for "Admin" and "Forgot Password?".

User Dashboard Page:



Awesome [Shop](#)



Belgoina
Rs. 2000



African Violet
Rs. 1800



Jasmine
Rs. 2200



Polka Dot Plant
Rs. 1200



Prayer Plant
Rs. 1500



Creeping Fig
Rs. 2700



Peace Lily
Rs. 1400



Snake Plant
Rs. 2200



Spider Plant
Rs. 2400



Aloe vera
Rs. 2800



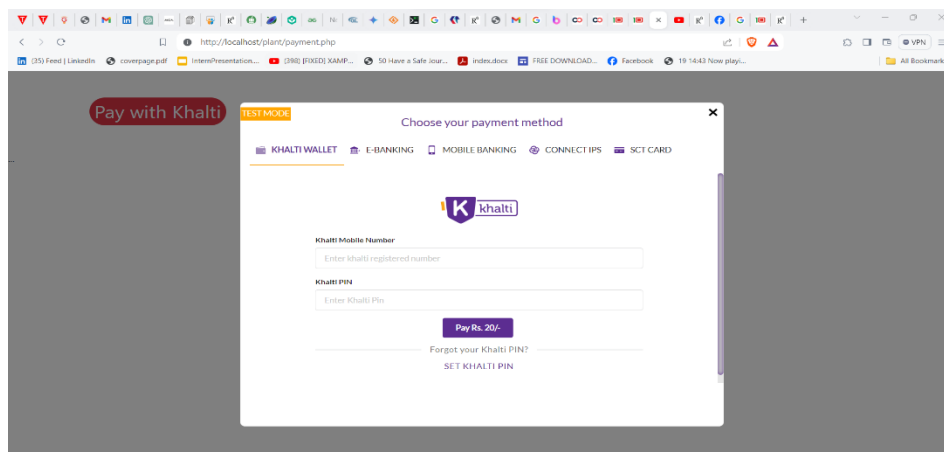
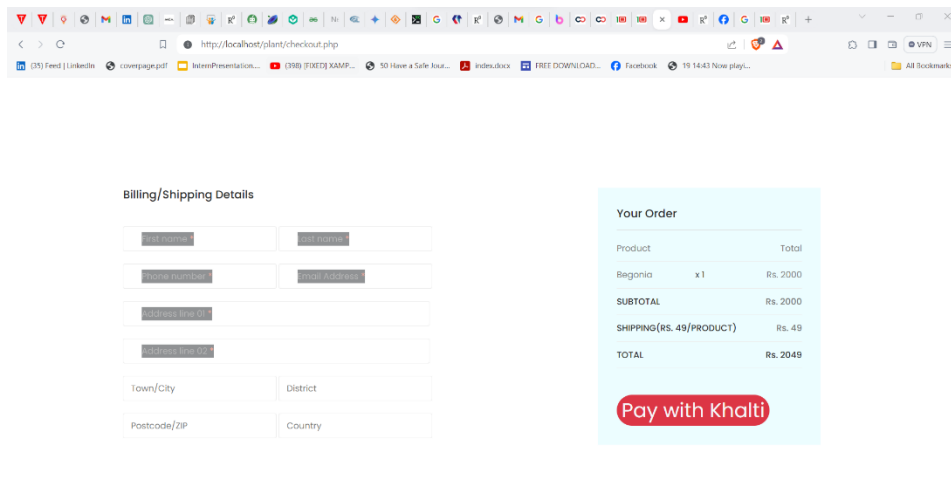
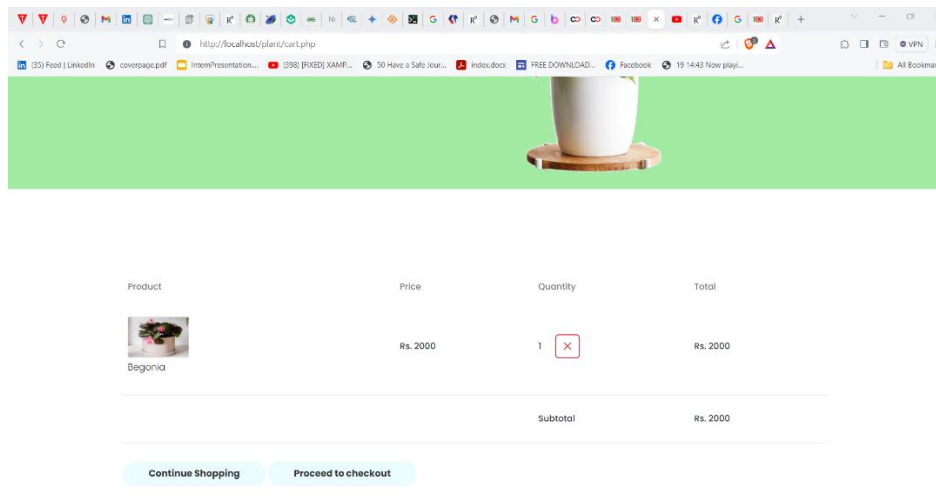
English Ivy
Rs. 1700



String Of Pearls
Rs. 2900

[+ ADD TO CART](#)

Payment and add to cart



Admin dashboard:

The screenshot shows the Admin Panel dashboard. On the left is a sidebar with a green 'Home' button and links to 'Add Product', 'All Products', 'Customer Orders', and 'All Customers'. The main content area has a 'Welcome to Admin Panel' message with 'Hi, Sudha Pantha' below it. Below the message is a table of admin users.

Admin Id	Name	Contact Number	Email	Action
2	Sudha Pantha	9840249601	sudha@gmail.com	Delete

Add Product

The screenshot shows the 'Add Product' form in the Admin Panel. The sidebar is the same as the dashboard. The main content area has a heading 'Add Product' and a form with the following fields: Title, State (with a dropdown menu), Price, Quantity, Image (with a 'Choose File' button and 'No file chosen' text), and Description. A 'Submit' button is at the bottom.

All product and customer:

The first screenshot shows the 'All Products' page. The sidebar is the same. The main content area has a heading 'All Products' and a table of products.

Product Id	Image	Title	Price	Quantity Left	Category	Action
10001		Begonia	2000	20	1001	Delete
10002		African Violet	1800	24	1002	Delete
10003		Jasmine	2200	29	1001	Delete
10004		Polka Dot Plant	1200	15	1002	Delete
10005		Prayer Plant	1500	32	1002	Delete
10006		Creeping Fig	2700	16	1003	Delete
10007		Peace Lily	1400	36	1003	Delete
10008		Snake Plant	2200	18	1004	Delete

The second screenshot shows the 'All Customers' page. The sidebar is the same. The main content area has a heading 'All Customers' and a table of customers.

User Id	Name	Contact Number	Email	Action
101	Roshan Pantha	9840249601	niisha123@gmail.com	Delete
102	Sudha Pantha	9844715244	sudha@gmail.com	Delete
103	Sudha Pantha	9840249601	sudha1@gmail.com	Delete

Appendices B: Source code

Index.php

```
<?php
session_start();
?>
<?php require './includes/head.php' ?>
<?php require './includes/conn.php';
require './includes/is_added_to_cart.php'

?>

<section class="banner_part">
  <div class="container">
    <div class="row align-items-center">
      <div class="col-lg-12">
        <div class="banner_slider owl-carousel">
          <div class="single_banner_slider">
            <div class="row">
              <div class="col-lg-8 col-md-12 col-12 col-sm-12">
                <div class="banner_text">
                  <div class="banner_text_iner">
                    <h1>Buy green to save green</h1>
                    <p>
                      Buy the best indoor plants.
                      We have a plant for each door.
                    </p>
                    <a href="category.php" class="btn_2">Buy now</a>
                  </div>
                </div>
              </div>
              <div class="banner_img col-lg-4 col-md-12 col-sm-12 col-12">
                
              </div>
            </div>
          </div>
          <div class="single_banner_slider">
            <div class="row">
              <div class="col-lg-8 col-md-12 col-sm-12 col-12">
                <div class="banner_text">
                  <div class="banner_text_iner">
                    <h1>Indoor Plants</h1>
                    <p>
                      Choose among wide variety of indoor plants.
                    </p>
                    <a href="category.php" class="btn_2">Buy now</a>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>
```

```

        </div>
        <div class="col-lg-4 col-md-12 col-sm-12 col-12 banner_img">
            
        </div>
    </div>
</div>
<div class="single_banner_slider">
    <div class="row">
        <div class="col-lg-8 col-md-12 col-12 col-sm-12">
            <div class="banner_text">
                <div class="banner_text_iner">
                    <h1>Budget Friendly</h1>
                    <p>
                        Eco-Friendly, Pocket-Friendly.
                    </p>
                    <a href="category.php" class="btn_2">Buy now</a>
                </div>
            </div>
        </div>
        <div class="banner_img col-lg-4 col-md-12 col-12 col-sm-12">
            
        </div>
    </div>
</div>
<div class="slider-counter"></div>
</div>
</div>
</section>

```

```

<section class="product_list section_padding">
    <div class="container">
        <div class="row justify-content-center">
            <div class="col-lg-12">
                <div class="section_tittle text-center">
                    <h2>Awesome <span>Shop</span></h2>
                </div>
            </div>
        </div>
        <div class="row">
            <div class="col-lg-12">
                <div class="product_list_slider owl-carousel">
                    <div class="single_product_list_slider">
                        <div class="row align-items-center justify-content-between">
                            <?php

                                $query = "SELECT * from `products`";

```

```
$result = mysqli_query($con, $query);

while ($row = mysqli_fetch_array($result)) {
    echo '<div class="col-lg-3 col-sm-6" style="padding: 10px 20px
!important;">

        <div class="single_product_item">
            

            <div class="single_product_text">
                <h4>' . $row['title'] . '</h4>
                <h3>Rs. ' . $row['price'] . '</h3>;
                if (!check_if_added_to_cart($row['id'])) {
                    echo '<a href="scripts/cart_add.php?id=' . $row['id'] . '&qty=1"
class="add_cart">+ add to cart<i class="ti-heart"></i></a>';
                } else {
                    echo '<a href="#" class="add_cart" disabled>+ add to cart<i
class="ti-heart"></i></a>';
                }

                echo ' </div>
            </div>
        </div>';
    }
?>
</div>
</div>
</div>
</div>
</div>
</section>
<?php require "./includes/footer.php" ?>

<script src="js/jquery-1.12.1.min.js"></script>

<script src="js/popper.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="js/jquery.magnific-popup.js"></script>

<script src="js/swiper.min.js"></script>

<script src="js/masonry.pkgd.js"></script>

<script src="js/owl.carousel.min.js"></script>
<script src="js/jquery.nice-select.min.js"></script>
```

```

<script src="js/slick.min.js"></script>
<script src="js/jquery.counterup.min.js"></script>
<script src="js/waypoints.min.js"></script>
<script src="js/contact.js"></script>
<script src="js/jquery.ajaxchimp.min.js"></script>
<script src="js/jquery.form.js"></script>
<script src="js/jquery.validate.min.js"></script>
<script src="js/mail-script.js"></script>

<script src="js/custom.js"></script>

<script async src="https://www.googletagmanager.com/gtag/js?id=UA-23581568-13"></script>
<script>
    window.dataLayer = window.dataLayer || [];

    function gtag() {
        dataLayer.push(arguments);
    }
    gtag('js', new Date());

    gtag('config', 'UA-23581568-13');
</script>
<script defer
src="https://static.cloudflareinsights.com/beacon.min.js/vaafb692b2aea4879b33c060e79fe94621666317369993" integrity="sha512-0ahDYI866UMhKuYcW078ScMalXqtFJggm7TmlUtp0UID4eQk0Ixfnm5ykXKvGJNFjLMoortdseTfsRT8oCfGGA==" data-cf-beacon='{ "rayId": "7721abfb4f723390", "token": "cd0b4b3a733644fc843ef0b185f98241", "version": "2022.11.3", "si": 100 }' crossorigin="anonymous"></script>
</body>

</html>

```

Admin Index.php:

```

<?php
require 'includes/conn.php';

session_start();

if(!isset($_SESSION['admin_email'])){
    echo "<script> location.href='/ecommerce/admin/login.php'; </script>";
    exit();
}

$mail = "";
if (isset($_SESSION['admin_email'])){
    $mail = $_SESSION["admin_email"];
}

```



```

    }
    $name= "";

    $query = 'SELECT * FROM admin';
    $result = mysqli_query($conn, $query);
    while($row = mysqli_fetch_array($result)){
        if($row['email'] == $mail){
            $name = $row['name'];
        }
    }
}

?>
<?php require_once "includes/header.php" ?>

<div class="mainContainer">
    <?php require "includes/sidebar.php" ?>

    <div class="allContainer">
        <div class="container jumbotron jumbotron-fluid col-md-8 bg-light my-4 p-4 text-center">
            <div class="container">
                <h1 class="display-4">Welcome to Admin Panel</h1>
                <h4>Hi, <?php echo $name ?> </h4>
            </div>
        </div>

        <div class="container">
            <table class="table container">
                <thead class="py-4">
                    <tr>
                        <th scope="col">Admin Id</th>
                        <th scope="col">Name</th>
                        <th scope="col">Contact Number</th>
                        <th scope="col">Email</th>
                        <th scope="col">Action</th>
                    </tr>
                </thead>
                <tbody>
                    <?php require "includes/conn.php" ?>
                    <?php
                    $query = 'SELECT * FROM `admin`';

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

                    while ($row = mysqli_fetch_array($result)) {
                        echo "<tr><th>" . $row['id'] . "</th>";
                        echo "<th>" . $row['name'] . "</th>";

```

```

        echo "<td>" . $row['mobile'] . "</td>";
        echo "<td>" . $row['email'] . "</td>";
        echo "<td>
            <a href='scripts/delete_script.php?id={$row['id']}'><button
type='button' class='btn btn-danger'>Delete</button></a>
        </td></tr>";
    }

    ?>
</tbody>
</table>
</div>
</div>
</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
kenU1KFdBIe4zVF0s0G1M5b4hcxpD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4"
crossorigin="anonymous"></script>
</body>

</html>

```

Payment.php

```

<html>

<head>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6Coli6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2H
N" crossorigin="anonymous">
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
C6RZsynM9kWDrMNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL
" crossorigin="anonymous"></script>
    <script src="https://khalti.s3.ap-south-
1.amazonaws.com/KPG/dist/2020.12.17.0.0/khalti-checkout.iff.js"></script>
</head>

<body>
    <section class="payment_wrapper">
        <div class="container my-4">
            <div class="row my-4 py-4 mx-auto">
                <div class="col-lg-12 mx-auto"><button id="payment-button" class="fs-2 text-
light border-0
                px-2 rounded-pill bg-danger">Pay with Khalti</button>
            </div>

```

```

</div>

</div>

</section>
<!-- Place this where you need payment button -->

<!-- Place this where you need payment button -->
<!-- Paste this code anywhere in you body tag -->
<script>
    var config = {
        // replace the publicKey with yours
        "publicKey": "test_public_key_dc74e0fd57cb46cd93832aee0a390234",
        "productIdentity": "1234567890",
        "productName": "Dragon",
        "productUrl": "http://gameofthrones.wikia.com/wiki/Dragons",
        "paymentPreference": [
            "KHALTI",
            "EBANKING",
            "MOBILE_BANKING",
            "CONNECT_IPS",
            "SCT",
        ],
        "eventHandler": {
            onSuccess(payload) {
                // hit merchant api for initiating verification
                console.log(payload);
            },
            onError(error) {
                console.log(error);
            },
            onClose() {
                console.log('widget is closing');
            }
        }
    };

    var checkout = new KhaltiCheckout(config);
    var btn = document.getElementById("payment-button");
    btn.onclick = function() {
        // minimum transaction amount must be 10, i.e 1000 in paisa.
        checkout.show({
            amount: 300000
        });
    }
</script>
<!-- Paste this code anywhere in you body tag -->

```

