1. Introduction

The online flower shop system provides you facilities to buy and order flowers according their own customization and provide delivery service and reference ideas for special events.

The online flower business is rapidly growing, yet many local florists lack digital infrastructure. Our motivation is to provide an easy-to-use, automated system that allows customers to purchase flowers online while helping businesses efficiently manage orders and inventory.

It will also provide a platform to sell floral items in a simple and efficient manner. The system provides admin portal to manage orders and delivery services.

ACKNOWLEDGEMENT

First of all, I would like to express our warmest gratitude to our supervisor, Prof. Changede A. who has given us invaluable guidance throughout the development of this project I sincerely direct this appreciation for her enormous concern, advice, patience and insightful criticism.

I would thank all the people who had made their contribution for this project.

Thank you so much to all of them for motivation, guidance and support.

PROBLEM STATEMENT

Traditionally, when a person wants buy some flowers, they how to walk in to the florist shop, which is lot more time consuming the main objective of this website is to provide floral decorations according to the event in a faster and efficient manner this platform will provide all types and variaties of fresh flowers according to users requirements. The user will be able to customize bouquets and decorations. And this project will a assist consumers to browse products and flowers buy them. It will also assist the Administrator to manage sales and orders and maintain the system.

Online sale of flowers can expand the flower consumption market and acheive profit growth.

PROJECT SCOPE & LIMITATIONS

Scope:

*** Business Management:**

It helps to maintain orders, sales and recommendations delivery of flowers.

*** Reports and Analysis:**

It provides reports and gives analysis of the business and helps in decision making and improvements in services.

*** Customer Assistance:**

It will provide a systems to the customers in buying the items and increase convenience.

*** Personalized Services:**

It will provide personalized services according to customers' requirements and suggestions.

*** Speed of transactions and shorten product:**

It will speed up transactions as it will eliminate unnecessary processes like physical enquires and displays of items and automate the processes.

Limitations:

*** Limited functions and services:**

It provides services that are limited only upto flowers.

*** Internet Reliance:**

Requires internet connectivity in order to access the website and brows information.

*** Integration Issues:**

The system does not integrated with the banking systems or accounts.

*** Limited geographical areas:**

The system can be useful only for local and small sales business and may not be efficient for large sale ones.

Fact Finding Techniques

*** General Observations:**

Observation about traditional florist systems, help to find solutions and enhancements in the system.

*** Interviews:**

Interviews and Questionnaires with people engaged in particular business, helps to understand difficulties and issues.

*** Online Research:**

Online Research about E-Commerce websites, go provide solutions.

*** Customers Experiences and Reviews:**

We asked customer about their reviews and their requirements and experiences about services

EXISTING SYSTEM

In the existing florist system, the customers have to visit the shops in order to buy flower in large quantities if not order before the events. A customers may not be able to a find varieties according to their needs.

So this system will help customers to overcome this drawbacks and also increase convenience to both the seller and customers.

The manual system used by flower shops is inefficient, prone to errors, and lacks online accessibility. Customers must visit stores physically, limiting convenience.

SCOPE AND LIMITATIONS OF EXISTING SYSTEM

Existing systems are not computerized and hence are also not systematic. It does not provide database security. It can be highly expensive and complex process to maintain the record of data.

The system requires a lot of manual work which has potential risk of errors. This is time a very time consuming process. Also the traditional system will only provide services for limited hours.

Our website will save time in both sending and receiving the order. It will provide updated information about the available stock and prices. It provides good and easy graphical interface to both new and experienced users.

PROJECT PERSPECTIVE AND FEATURES:

• In traditional systems, since flowers are perishable stuff, can cause loss of sellers if not sold in a limited time.

• They have to maintain record's of the orders manually.

• They cannot provide immediate services if demanded by a customer without prior instructions.

• There are no marketing or advertisement strategies used to promote sales.

• Customers have to enquire about the available varities and stocks.

• Traditional system, will provide services. Only for limited hours.

STAKEHOLDERS

- Organization.
- Local Consumers.
- Retailers.
- Local Farmers.
- Business Agents.
- Expert Advisors.
- Business Agencies.

FEASIBILITY STUDY

Feasibility study provide insights about the project and make decision regarding the development and implementation of project. It decides whether to proceed with the proposed system or to deny its approval.

Technical feasibility:

Technical feasibility deals with hardware as well as software requirement. This system is developed using techniques like html, css, JavaScript, bootstrap which can be easily accessed.

Operational feasibility:

Operational feasibility refers to the ability of the system to perform task that fulfill the requirements.

The system to be developed will provide easy and convenient services, enhance and improve customer experience and also decrease the manual labor and maintenance cost.

Economical feasibility:

Economical feasibility helps to evaluate cost and benefits of the project.

The system is economically feasible since it will reduce unwanted expenses and also improve the same of the product which will result into business profit

HARDWARE AND SOFTWARE REQUIREMENTS

Software requirement:

PHP, PostgreSQL, JavaScript, Bootstrap.

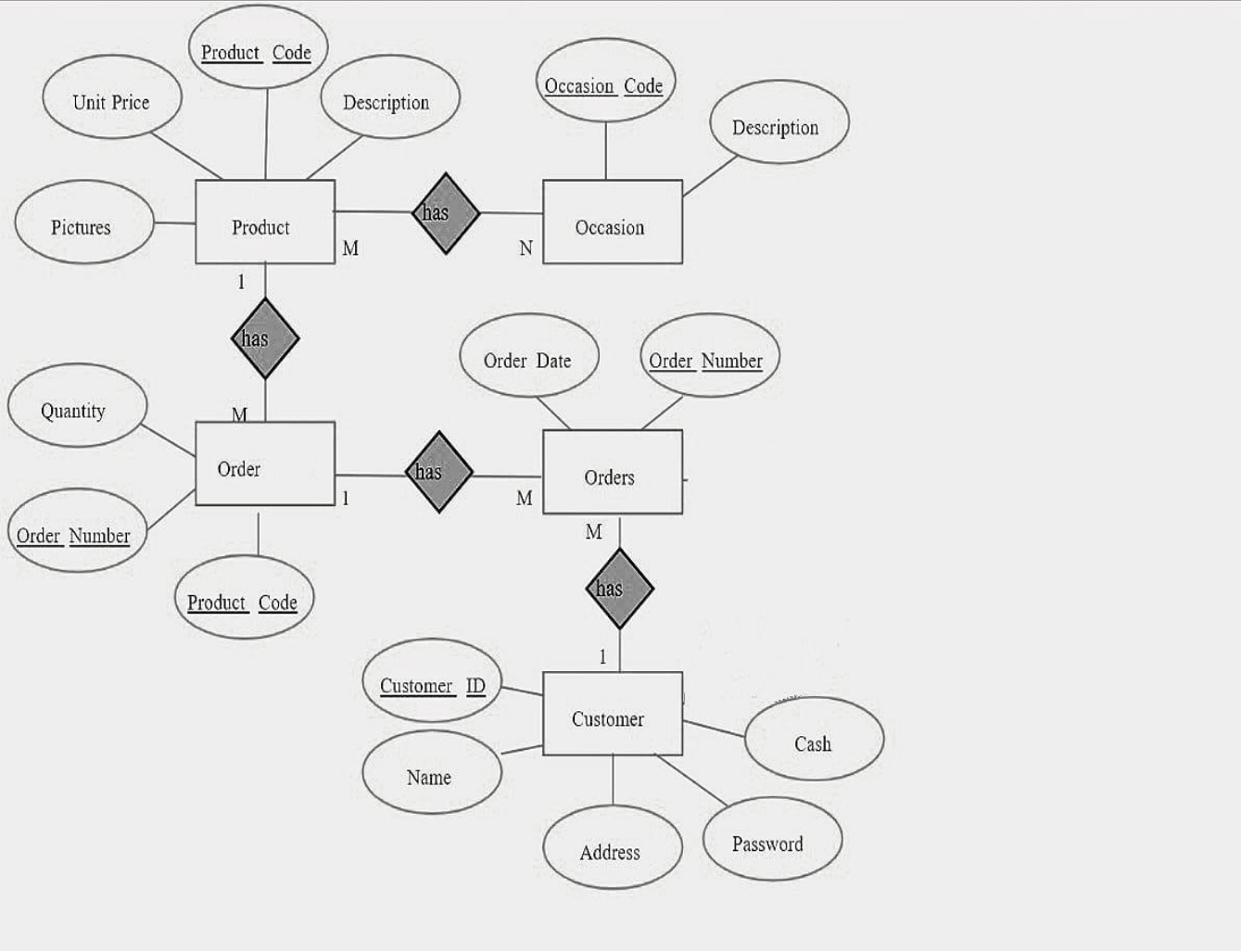
- Database: PostgreSQL.
- Frontend: HTML, CSS, JavaScript.
- Backend: PHP, AJAX.

Hardware:

- 4GB RAM, i3 Processor, 500GB Storage.

DIAGRAMS

E-R Diagram

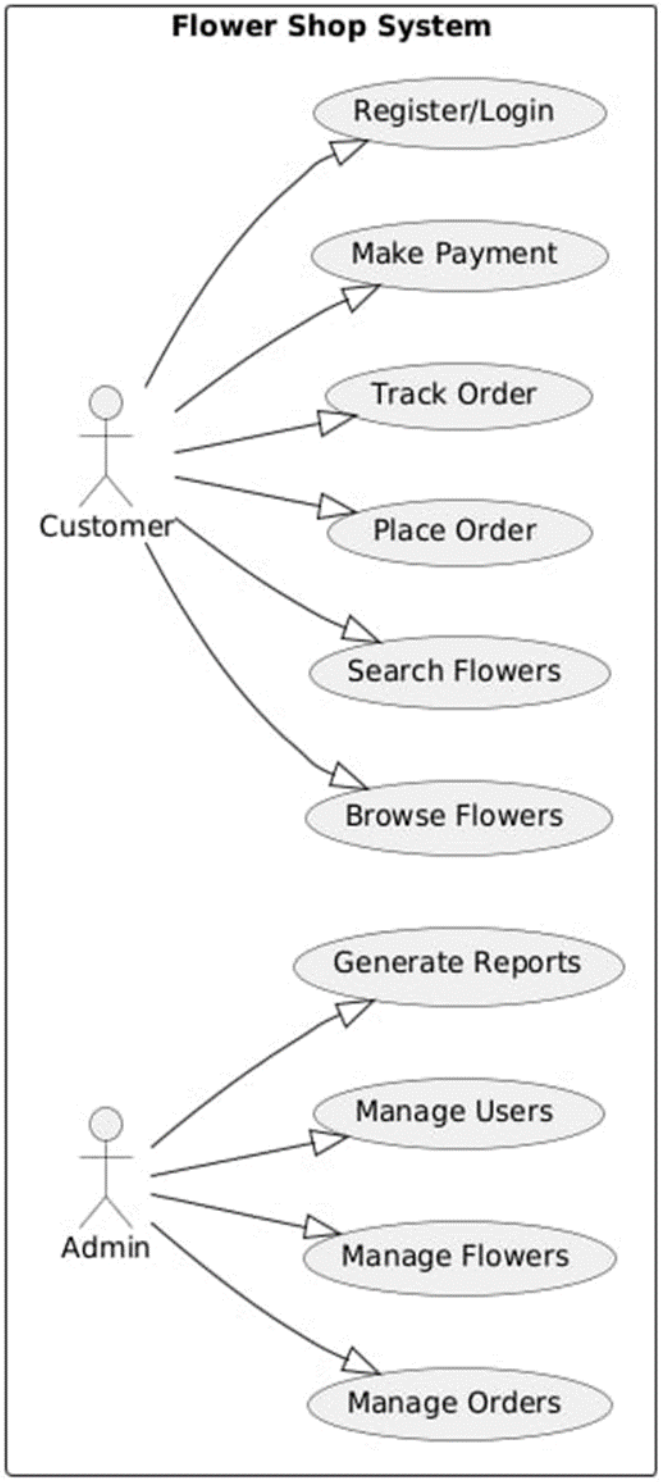


Data Flow Diagram 0

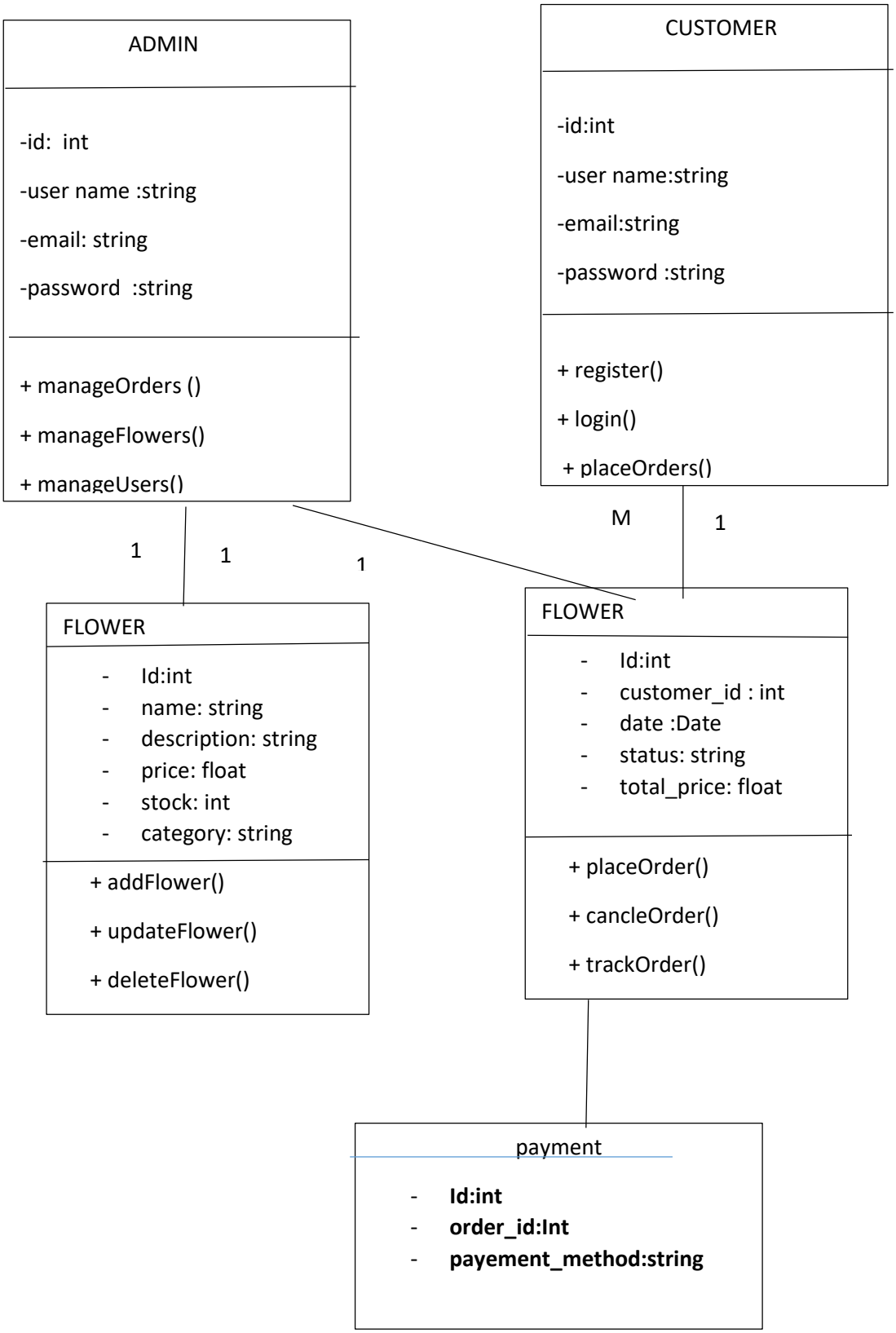
Data Flow Diagram 1

Use Case Diagram

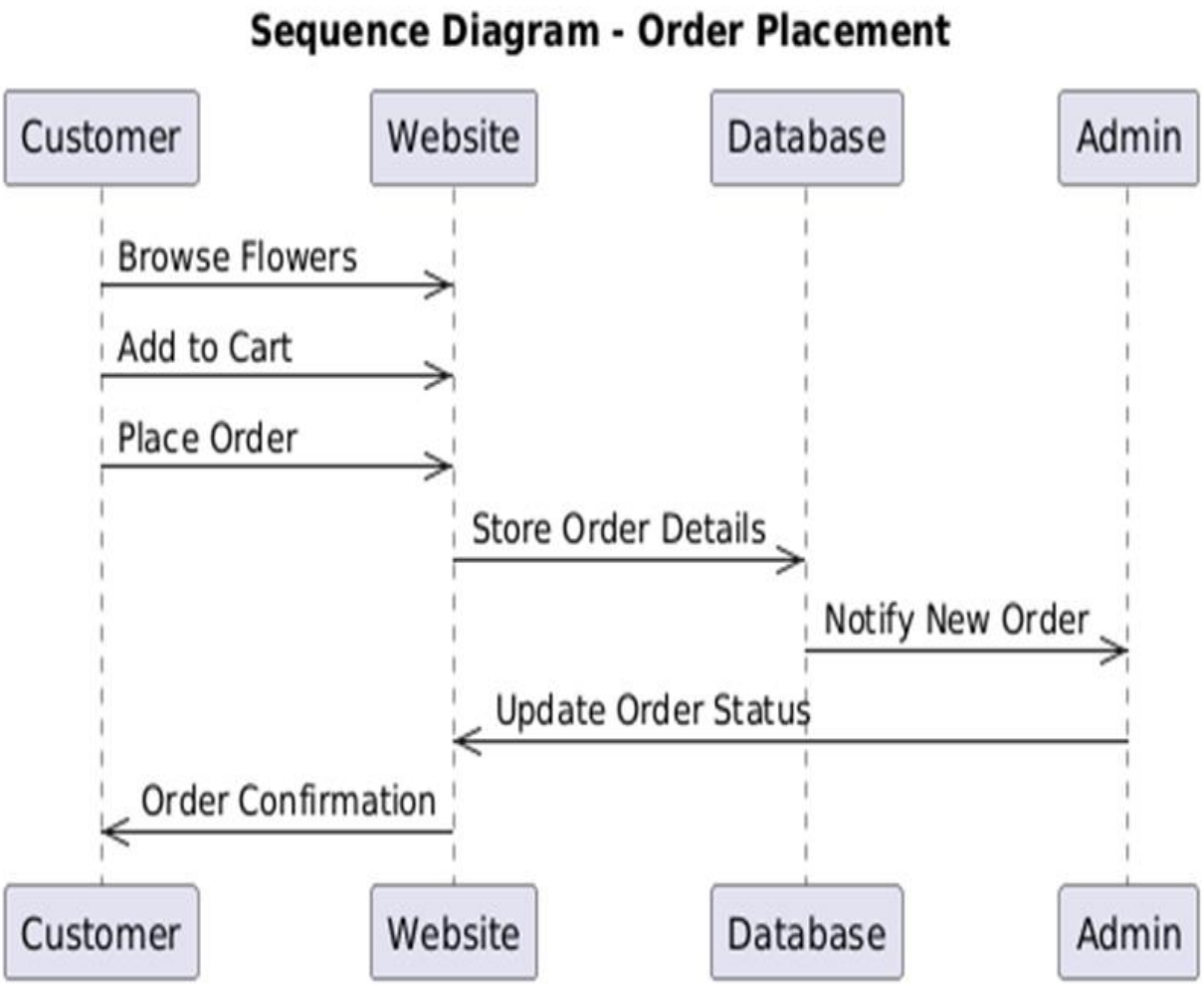
Flower Shop Management System - Use Case Diagram



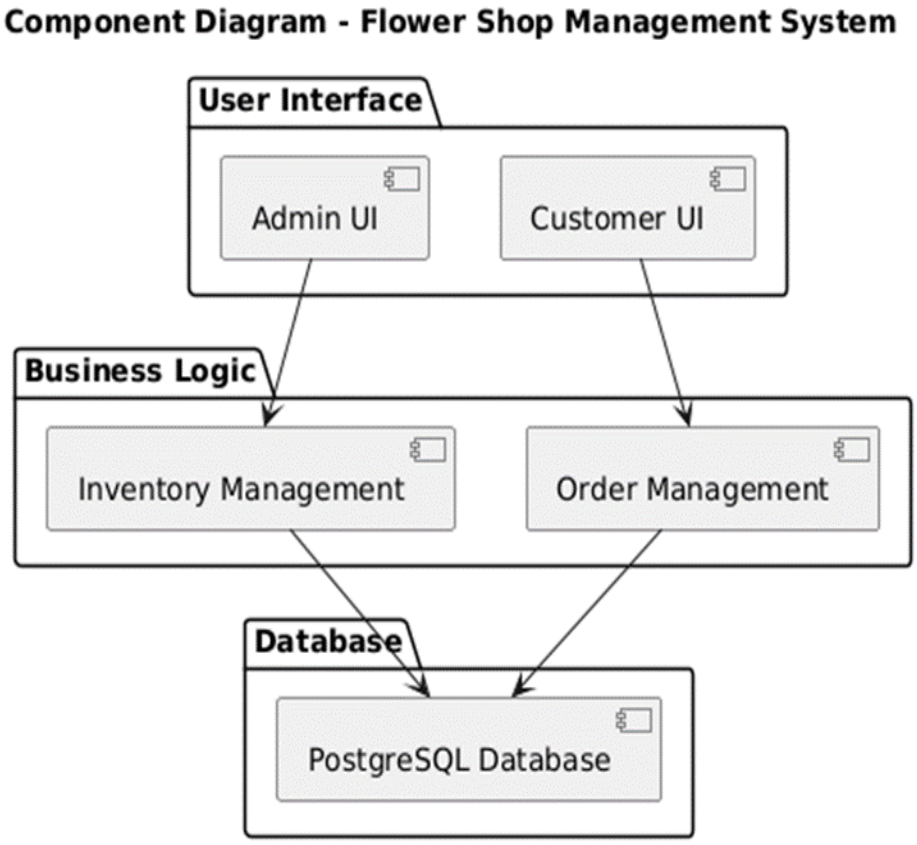
Class Diagram



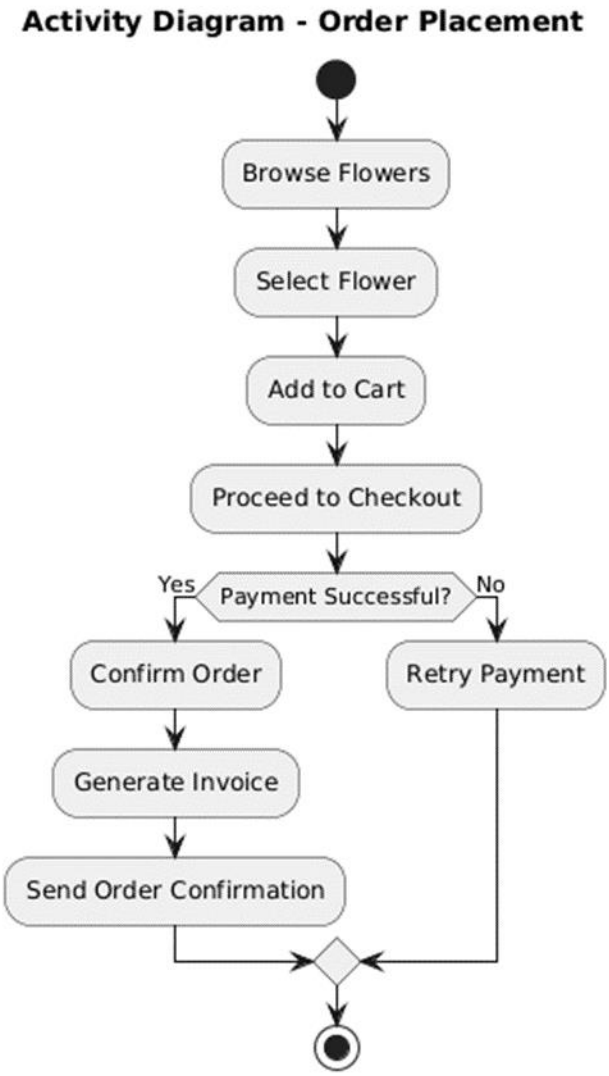
Sequence diagram



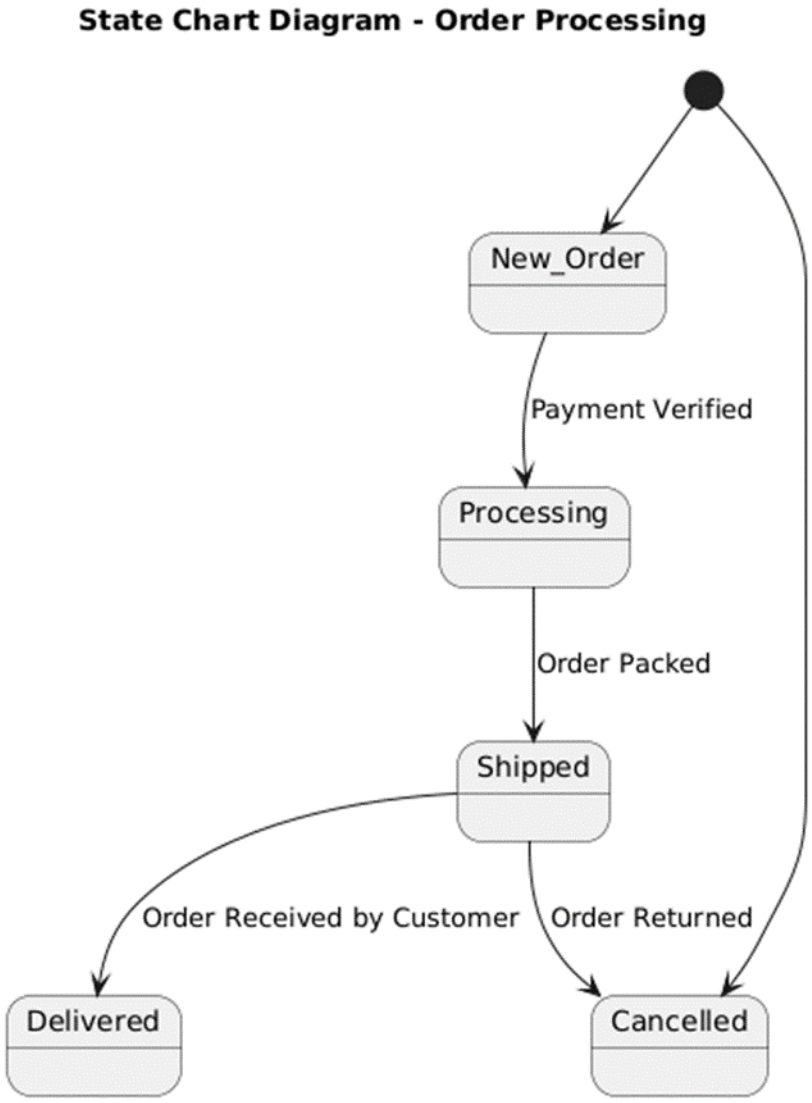
Component diagram



Activity diagram



State chart diagram



Data dictionary

User table

Column Name	Data Type	Constraints	Description
user_id	SERIAL	PRIMARY KEY	Unique identifier for each user.
full_name	VARCHAR(100)	NOT NULL	Stores the full name of the user.
email	VARCHAR(100)	UNIQUE, NOT NULL	Stores the user's email, which must be unique.
password	VARCHAR(255)	NOT NULL	Stores the hashed password for security.
address	TEXT	NOT NULL	Stores the user's address.
phone	VARCHAR(15)	NOT NULL	Stores the contact number of the user.
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Timestamp when the user was created.

Admin table

Column name	Data Type	Constraints	Description
admin_id	SERIAL	PRIMARY KEY	Unique identifier for each admin.
username	VARCHAR(50)	UNIQUE, NOT NULL	Admin login username.
password	VARCHAR(255)	NOT NULL	Stores the hashed password for security.

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Categories Table

Column Name	Data Type	Constraints	Description
user_id	SERIAL	PRIMARY KEY	Unique identifier for each user.
full_name	VARCHAR(100)	NOT NULL	Stores the full name of the user.
email	VARCHAR(100)	UNIQUE, NOT NULL	Stores the user's email, which must be unique.
password	VARCHAR(255)	NOT NULL	Stores the hashed password for security.
address	TEXT	NOT NULL	Stores the user's address.
phone	VARCHAR(15)	NOT NULL	Stores the contact number of the user.
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Timestamp when the user was created.

Delivery Table

Column Name	Data Type	Constraints	Description
delivery_id	SERIAL	PRIMARY KEY	Unique identifier for each delivery.
order_id	INT	FOREIGN KEY REFERENCES orders(order_id) ON DELETE CASCADE	Links the delivery to an order.
delivery_status	VARCHAR(50)	DEFAULT 'In Progress'	Status of the delivery (In Progress, Delivered, Cancelled).
estimated_time	TIMESTAMP		Estimated delivery time.

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Flower table

Column Name	Data Type	Constraints	Description
flower_id	SERIAL	PRIMARY KEY	Unique identifier for each flower.
name	VARCHAR(100)	NOT NULL	Stores the name of the flower.
description	TEXT	NOT NULL	Stores a brief description of the flower.
price	DECIMAL(10,2)	NOT NULL	Price of the flower.
stock	INT	NOT NULL	Number of available units in stock.
category_id	INT	FOREIGN KEY REFERENCES categories(category_id) ON DELETE SET NULL	Links the flower to a category.
image	VARCHAR(255)	NOT NULL	Stores the image filename for the flower.
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Timestamp when the flower was added.

Orders Table

Column Name	Data Type	Constraints	Description
order_id	SERIAL	PRIMARY KEY	Unique identifier for each order.
user_id	INT	FOREIGN KEY REFERENCES users(user_id) ON DELETE CASCADE	Links the order to the user.
total_price	DECIMAL(10,2)	NOT NULL	Total price of the order.
order_status	VARCHAR(50)	DEFAULT 'Pending'	Status of the order (Pending, Shipped, Delivered, etc.).
order_date	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Timestamp when the order was placed.

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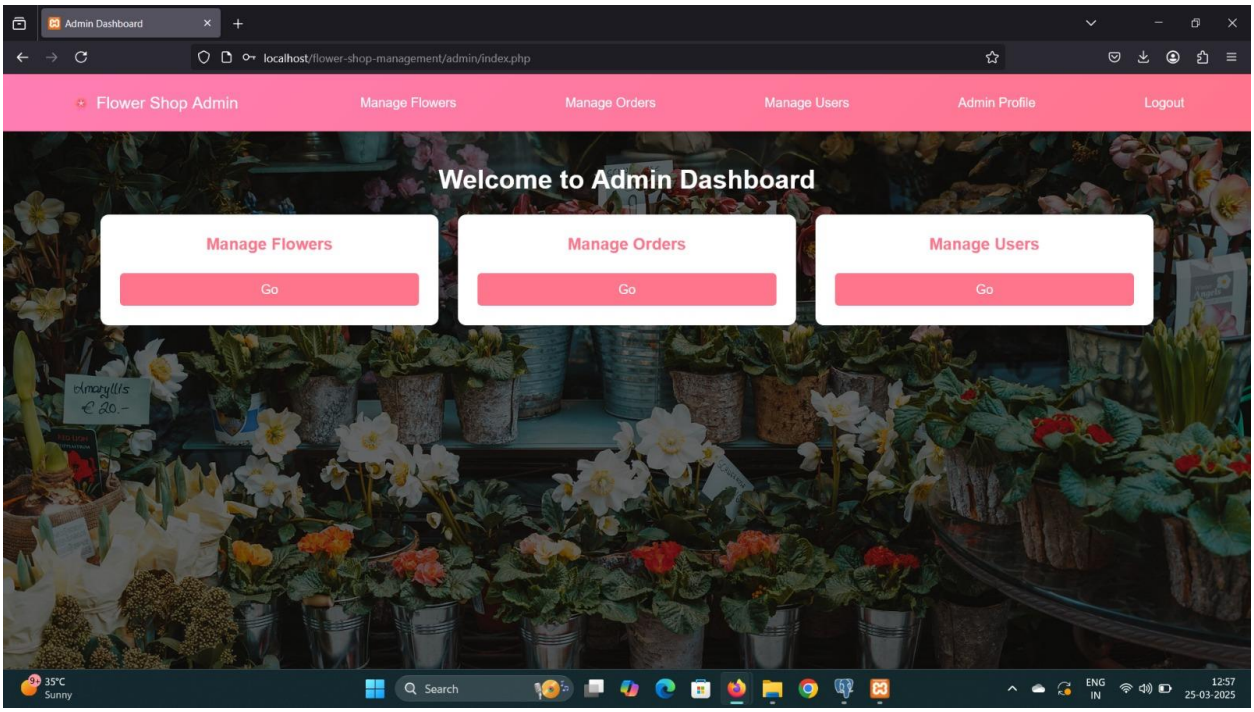
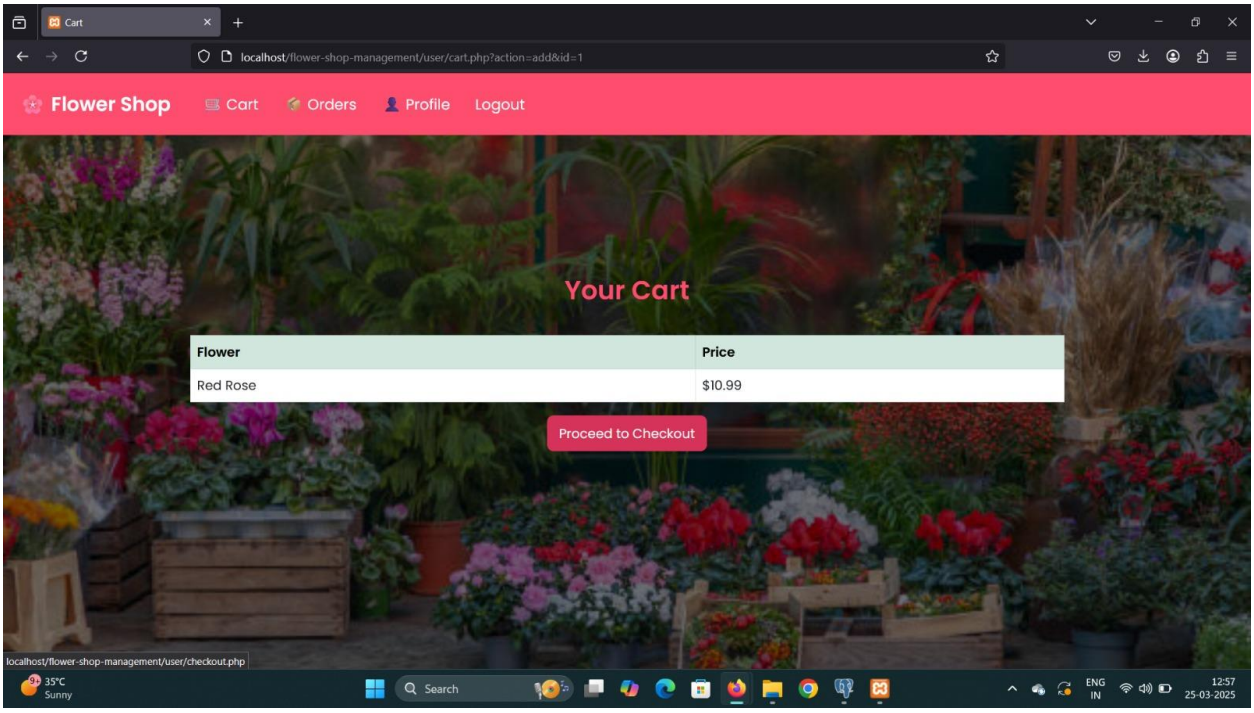
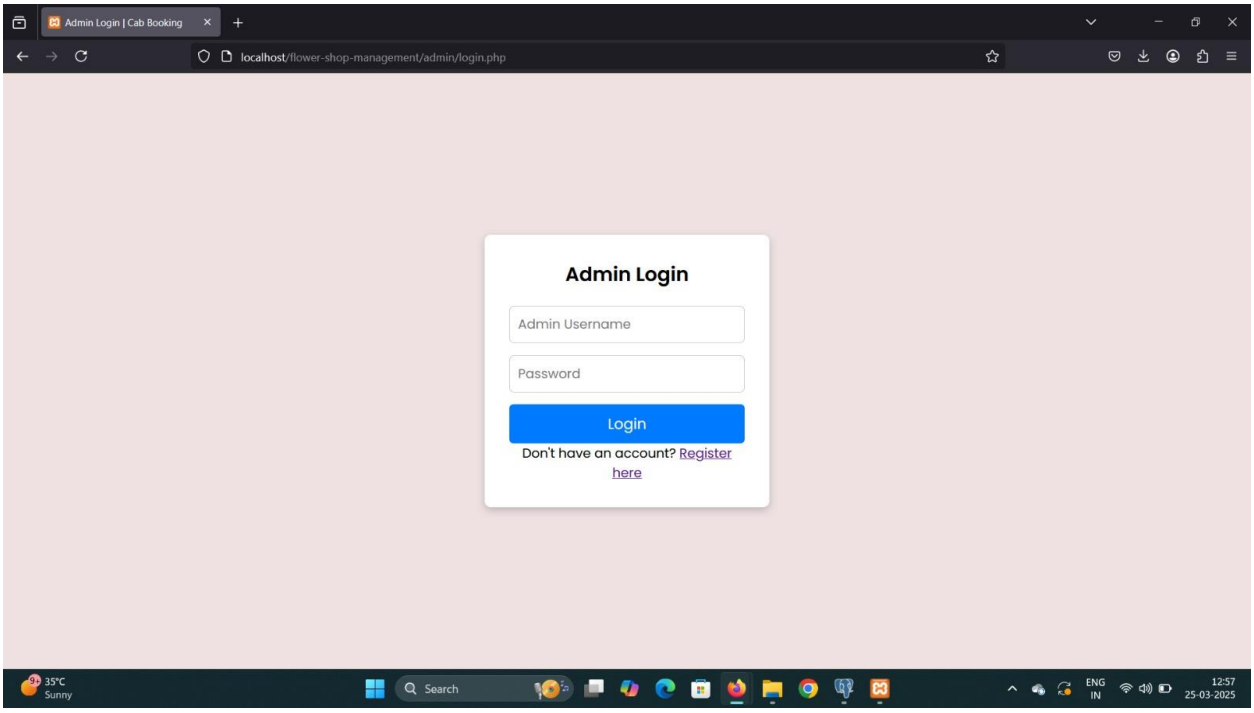
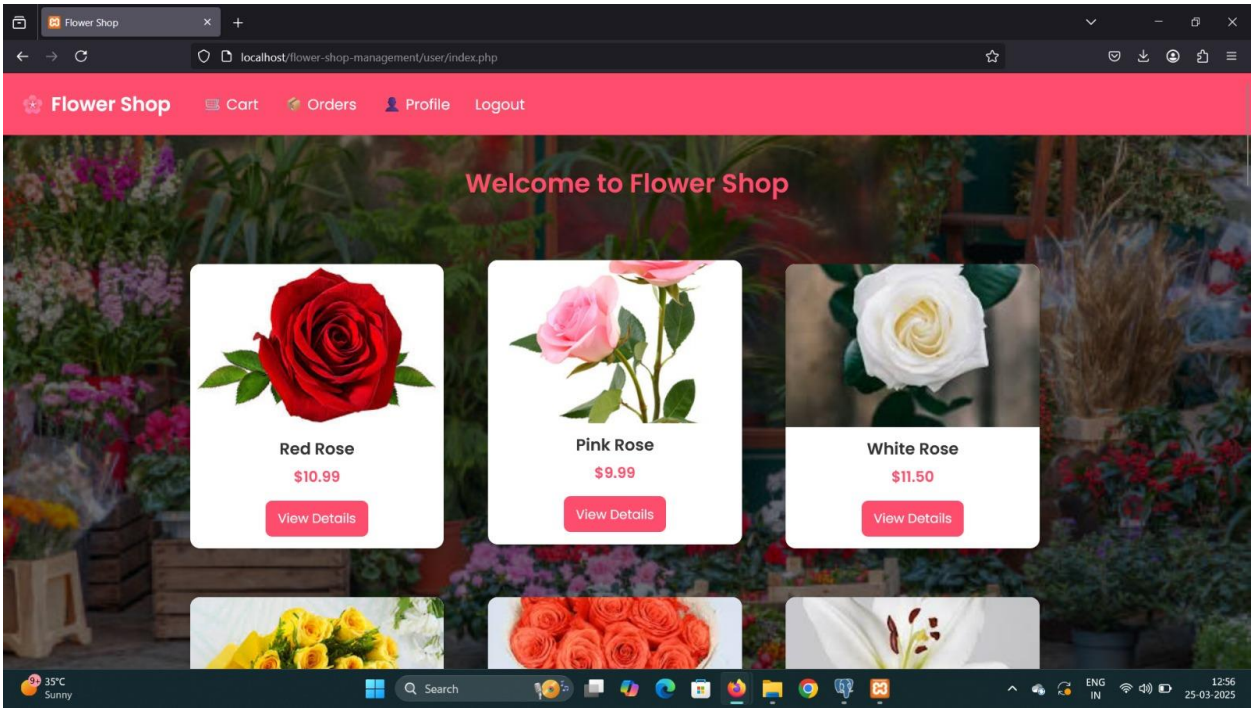
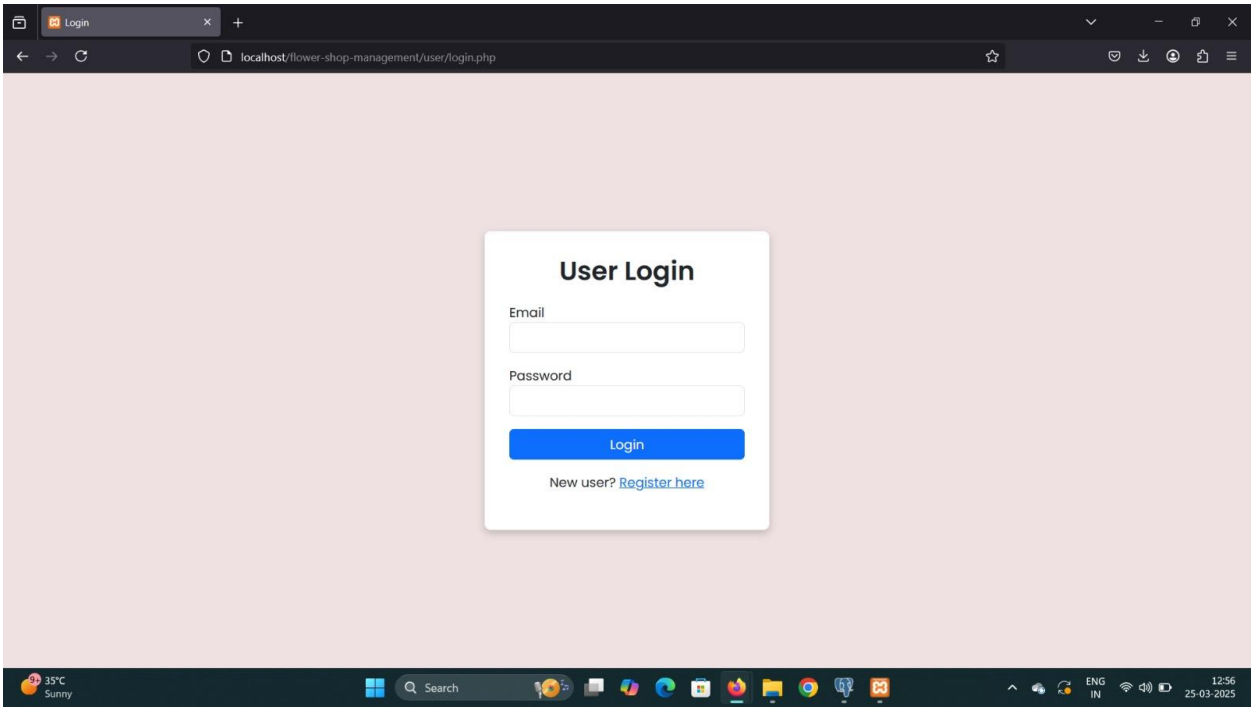
Screenshots

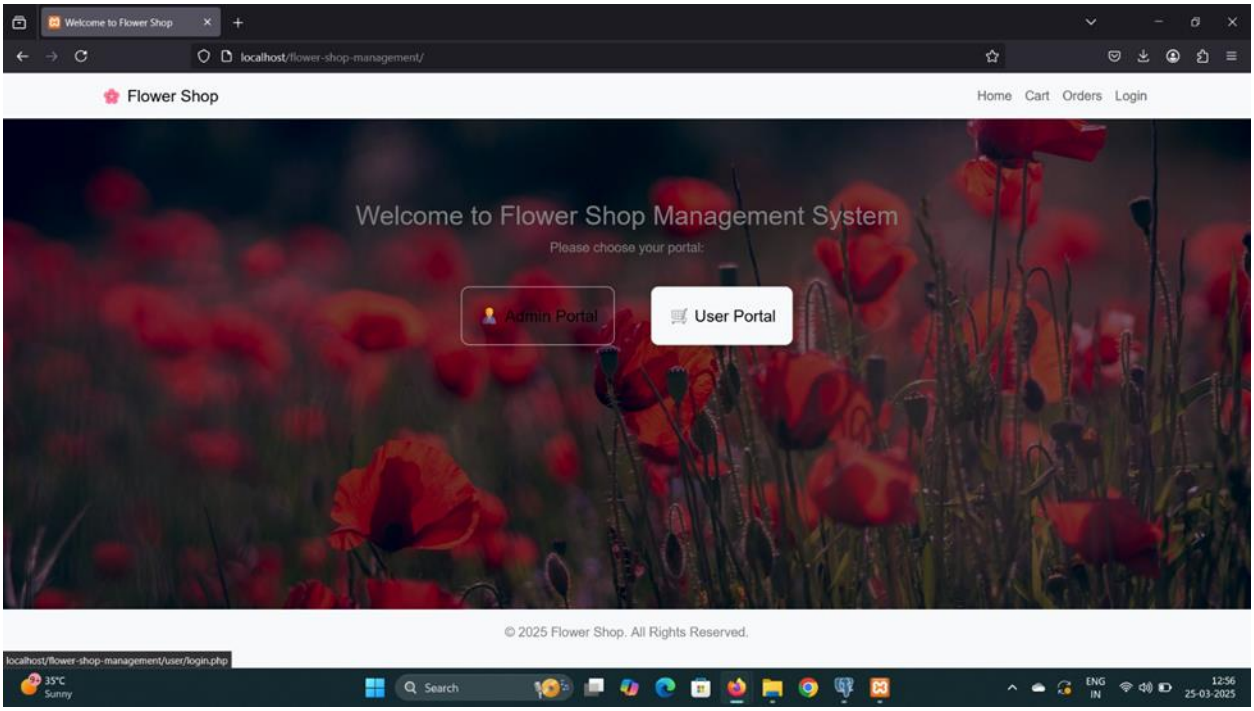



Cart
localhost/flower-shop-management/user/cart.php?action=add&id=1
Flower Shop
Cart
Orders
Profile
Logout
Your Cart
Flower
Price
Red Rose
$10.99
Proceed to Checkout
localhost/flower-shop-management/user/checkout.php
35°C
Sunny
Search
ENG
IN
12:57
25-03-2025


Admin Login | Cab Booking
localhost/flower-shop-management/admin/login.php
Admin Login
Admin Username
Password
Login
Don't have an account? Register here
35°C
Sunny
Search
ENG
IN
12:57
25-03-2025


Flower Shop
localhost/flower-shop-management/user/index.php
Flower Shop
Cart
Orders
Profile
Logout
Welcome to Flower Shop
Red Rose
$10.99
View Details
Pink Rose
$9.99
View Details
White Rose
$11.50
View Details
35°C
Sunny
Search
ENG
IN
12:56
25-03-2025


Login
localhost/flower-shop-management/user/login.php
User Login
Email
Password
Login
New user? Register here
35°C
Sunny
Search
ENG
IN
12:56
25-03-2025


Welcome to Flower Shop
localhost/flower-shop-management/
Flower Shop
Home Cart Orders Login
Welcome to Flower Shop Management System
Please choose your portal:
Admin Portal
User Portal
© 2025 Flower Shop. All Rights Reserved.
localhost/flower-shop-management/user/login.php
35°C
Sunny
Search
ENG
IN
12:56
25-03-2025

Conclusion

This website avoids the manual work and the problems concerned with it. It is an easy way to obtain information regarding products in the market. This system can be a improved and better version of the traditional system.

This is a computerized solution for storing details and related information. Here we can conclude that the system has been developed to reduce manpower and various complexities. This will also help to promote local businesses and increase their popularity in the market.

Bibliography and References

- PHP & PostgreSQL Web Development Guide.
- PostgreSQL Documentation
- Bootstrap & JavaScript References.