A Capstone Project

Presented to the

COLLEGE OF COMPUTER STUDIES

Gabi, Cordova, Cebu

In Partial Fulfillment

Of the Requirements for the Degree

Bachelor of Science in Information Technology

(BSIT)

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FLORAFUSION MARKET WEB APPLICATION

By

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Approving Committee:

|  |  |  |
| --- | --- | --- |
| NAME | ROLE | SIGNATURE |
| Mr. Jade Marthy Tulda | Panel |  |
| Mr. Mat Mitcheil Ando | Panel |  |
| Mr. Jonus Berdon | Panel |  |

**Cordova Public College**

**Bachelor of Science in Information Technology**

**BSIT PROJECT**

|  |  |
| --- | --- |
| **Approval Sheet** | |
| **Title of Project:**  Plant Corner | **Date Submitted:**  May 6, 2023 |
| **Name of Proponents**: Jeffrey Igot, Janah Darielyn Germo, April Tabornal | |
| **Brief Description of the Project**:  Plant Corner is a local online marketplace that aims to help customers browse and purchase a variety of plants conveniently. | |
| **Main goal of the system is to:**  The aim of Plant Corner is to support and assist plant sellers in showcasing their products online by providing them with a wider audience. Additionally, the platform benefits plant enthusiasts as they can now conveniently purchase plants without having to visit a physical store. | |
| **Specific objectives of the system are as follows**:   * Ensures safety of customers * Assist plant sellers in growing their business through increased visibility and sales * Ensure the quality and authenticity of products sold on the platform * Provide a user-friendly and efficient platform | |
| **Approved by:**  **Mr. Nicasio Amoin**  **Panel Member** | |

**ACKNOWLEDGEMENT**

We would like to express our heartfelt gratitude to our beloved HCI adviser, Mr. Mat Mitchel Ando, for giving us the opportunity to undertake this project on the School Fee System. His guidance and mentorship were invaluable in helping us to solve problems and create an outstanding HCI project.

We would also like to thank our classmates for their support and ideas on how to code and improve the system. Additionally, we extend our gratitude to our parents and friends who have been with us every step of the way.

We dedicate this study to our beloved alma mater, Cordova Public College, for shaping us into the best versions of ourselves. Finally, we give all the glory and honor to our Almighty Father.

Table of Contents

Title Page

Approval Page

Acknowledgement

Project Proposal Approval Sheet

SPMP

SRS  
SDD  
STD

Curriculum Vitae

CORDOVA PUBLIC COLLEGE

COLLEGE OF COMPUTER STUDIES

Software Project Management Plan

for

FloraFusion Market Web Application

CPC-BSIT-CAPSTONE-SPMP-1ST SEM 2022-2023

Janah Darielyn P. Germo

April A. Tabornal

Jeffrey Igot

**Change History**

|  |  |  |
| --- | --- | --- |
| **Version** | **Changes Made** | **Editor and Date** |
| N/A | N/A | N/A |

**Preface**

The FloraFusion Market Web Application is a user-friendly, web-based platform designed to facilitate online plant purchases for customers. This application has been created to provide plant enthusiasts with the convenience of shopping for plants from the comfort of their own homes. The system provides an architectural design that is easy to comprehend and well-structured.

The primary objective of the FloraFusion Market Web Application is to assist customers who wish to buy plants through an intuitive and efficient online process. By leveraging the power of the internet, the application enables users to explore a diverse range of plants, conveniently place orders, and seamlessly complete transactions without the need to leave their residences.

**Table of Contents**

**Signature 2**

**Change History 3**

**Preface 4**

**Table of Contents 5**

**List of Figures 6**

**List of Tables 7**

**1. Overview 8**

1.1. Project Summary 8

*1.1.1. Purpose, scope and objectives 8*

*1.1.2. Assumptions and constraints 8*

*1.1.3. Project deliverables 8*

*1.1.4. Schedule and budget summary 8-9*

**2. References 10**

**3. Definitions 11**

**4. Project organization 12**

4.1. External interface 12

4.2. Internal structure 12

4.3. Roles and responsibilities 13

**5. Managerial process plans 14**

5.1. Start-up plan 14

*5.1.1. Estimation plan 14*

5.2. Work plan 14

*5.2.1. Work activities 14*

*5.2.2. Schedule allocation 15*

*5.2.3. Resource allocation 15*

**6. Technical process plans 16**

6.1 Process Model 16

6.2 Methods, tools, and techniques 17

**List of Figures**

Figure 1. External Structure

Figure 2. Agile Methodology

**List of Tables**

Table 1.1.4 Schedule

Table 4.3.1 Roles and Responsibilities

Table 4.3.2 Role Allocation

Table 5.1.2 Staffing Plan

Table 5.2.1 Work Activities

# Overview

## 1.1. Project Summary

### 1.1.1. Purpose, scope and objectives

FloraFusion Market Web Application is a web app that aims to support and assists plant sellers in in showcasing their products by providing them a wider audience. Additionally, the platform aims to benefits plant enthusiasts by offering them a convenient way to purchase plants without the need to visit the physical store.

The scope of this project is focused on developing an online web platform for selling plants. This includes creating necessary features of the user interface and functionalities to facilitate the buying and selling of plants online.

The objectives of the project are twofold. First, the project aims to ensure the safety of customers by implementing secure transactions and protecting their personal information. This includes employing appropriate security measures and safeguards to maintain customer privacy and data integrity. Secondly, the project aims to provide customers with a high level of quality and authenticity in the products available on the platform. This involves implementing quality control procedures, verifying the authenticity of the plants, and ensuring that customers receive genuine and healthy plants. By achieving these objectives, the FloraFusion Market Web Application strives to create a safe and reliable platform for customers to purchase plants while supporting and expanding the businesses of plant sellers.

### 1.1.2. Assumptions and constraints

The project shall be finished on or before November 1, 2023. All codes will be written in Vue, PHP particularly in Web Development based forms with MySQL DBMS as the data repository.

The system shall be functioning on a networked computer on the server.

The Project will be planned with the following assumption:

* This project will run with a server, so, it needs to purchase a computer server.

### 1.1.3. Project deliverables

All of the items listed in this subsection are the deliverables that are to be provided prior to completion of the project:

* Product Documentation
  + Software Requirements Specifications (SRS)
  + Software Project Management Plan (SPMP)
  + Software Test Document (STD)
  + Software Design Description (SDD)
* Fully Implemented and running System

### 1.1.4. Schedule and budget summary

FloraFusion Market Web Application Schedule (Milestone)

|  |  |
| --- | --- |
| **Milestone** | **Estimated Completion Date (initiation/completion)** |
| Project Initiation | May 3, 2023 (initiation) |
| Project Proposal | May 6, 2023 (completion) |
| Software Requirements Specifications (SRS) | May 31, 2023 (completion) |
| Project Management Plan (SPMP) | May 31, 2023 (completion) |
| Software Test Document (STD) | November 30, 2023 (completion) |
| Software Design Description (SDD) | November 25, 2023 (completion) |
| Software Project Implementation | August 20, 2023(initiation) |
| Software Testing | December 14, 2023(completion) |
| Capstone Project Presentation | December 23, 2023 (completion) |

*[Table 1.1.4] Schedule*

# References

IEEE Std 1058-1998

# Definitions

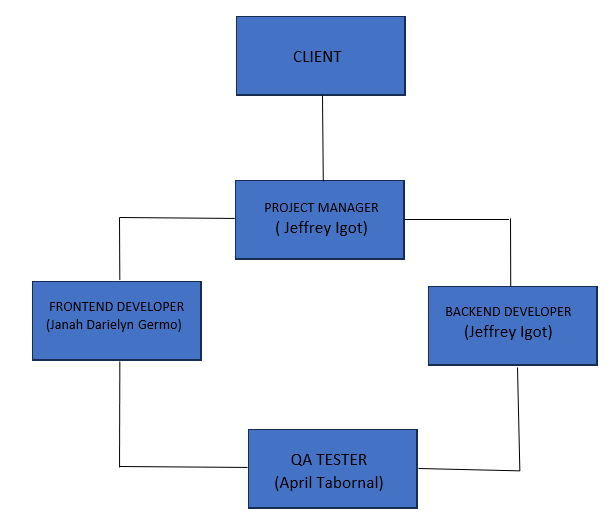
The SPMP clause must describe all acronyms and terminology that are necessary to comprehend it correctly

* SPMP – Software Project Management Plan
* SRS – Software Requirements Specification
* STD – Software Test Document
* SDD – Software Design Document
* QA - Quality Assurance

# Project organization

This clause of the SPMP shall identify interfaces to external organizational entities, describe the project’s internal organizational structure, and define roles and responsibilities for the project.

## External structure



*Figure 1. External Structure*

## Internal structure

This project is to be conducted by the development team using the specified programming languages to complete and maintain the project itself. The developers of the project shall also be responsible for the implementation of the software aspects of the system.

## 4.3. Roles and responsibilities

This section describes the organization of the development team as decided by the team during a continuous role definition exercise. It is important to note that this is not a comprehensive list of responsibilities. It is the outcome of an initial team role building session. This section will be updated as the project progresses.

|  |  |
| --- | --- |
| **Role** | **Responsibilities** |
| Team Leader | * Software project planning and monitoring * Milestone and schedule planning and monitoring * Sets and communicates the team meeting agenda |
| Backend Developer | * Develop the server-side logic and functionality of the project * Should work hand-in-hand with the Frontend Developer |
| Frontend Developer | * Implement the UI and the UX design of the software application * Should work hand-in-hand with the Backend Developer |
| QA Tester and Documentation Specialist | * Responsible for testing the system functionalities and testing the application. * Create and maintain documentation related to the software project * Organize and manage project documentation * Ensure documentation is accurate, clear and up to date. |

*[Table 4.3.1] Roles and Responsibilities*

|  |  |
| --- | --- |
| **Members** | **Roles and Responsibility** |
| Igot, Jeffrey | * Team Leader * Backend Developer |
| Germo, Janah Darielyn | * Frontend Developer |
| Tabornal, April A. | * Documentation * QA Tester |

*[Table 4.3.2] Role Allocation*

# Managerial process plans

This clause of the SPMP shall specify the project management processes for the project. This clause shall be consistent with the statement of project scope and shall include the project start-up plan, risk management plan, project work plan, project control plan, and project closeout plan.

## Start-up plan

This subclause of the SPMP shall specify the estimation plan, staffing plan, resource acquisition plan, and training plan. Depending on the size and scope of the project, these plans may be incorporated directly or by reference to other plans.

### Estimation plan

The tasks assigned to each team member will be divided into short-term phases based on the delivery of project artifacts, which will be treated as milestones. Each phase will correspond to a specific portion of the Work Breakdown Structure, which was initially created using Microsoft Project. Microsoft Project will be utilized to generate and monitor a schedule that includes milestones and resource allocations for the project.

At the start of each phase, the team will utilize Microsoft Project to define the tasks and establish the schedule. Periodically, the team will evaluate its progress and make updates to the schedule as necessary, ensuring that it is distributed to relevant stakeholders. At the conclusion of each phase, a comprehensive review will be conducted to thoroughly assess all expected outputs.

### Staffing plan

The staffing plan outlines the required team members and their skills for each phase of the project. The plan specifies when each team member is needed and their role in the development process.

|  |  |  |
| --- | --- | --- |
| **Name** | **Affiliation to the Project** | **Semester Started Availability** |
| Jeffrey Igot | Project Manager/Team Lead and Backend Developer | Full Time |
| Janah Darielyn Germo | Frontend Developer | Full Time |
| April Tabornal | QA Tester and Documentation | Full Time |

*[Table 5.1.2] Staffing Plan*

## Work plan

This clause of the SPMP shall specify the work activities, schedule, resources, and budget details for the software project.

### Work activities

Following table shows our work activities during this course. Detailed activities of each semester will be defined in the beginning of the semester.

|  |  |  |
| --- | --- | --- |
| **Task Name** | **Start** | **Finish** |
| **Project Initiation** |  |  |
| **Proposal** | 05/06/2023 | 05/06/023 |
| **Software Requirements Specification** | 05/26/2023 | 5/31/20223 |
| **Software Project Management Plan** | 05/26/2023 | 5/31/2023 |
| **Software Design Description** | 11/01/2023 | 11/10/2023 |
| **Software Test Document** | 11/10/2023 | 11/20/2023 |
| **Implementation** |  |  |
| **User Side** |  |  |
| Authentication | 05/09/2023 | 05/10/2023 |
| Customer Dashboard | 05/11/2023 | 05/17/2023 |
| User Options | 05/17/2023 | 05/22/2023 |
| Browse products | 05/23/2023 | 05/31/2023 |
| Wishlist | 06/01/2023 | 06/07/2023 |
| Cart | 06/08/2023 | 06/20/2023 |
| Seller Profile | 12/10/2023 | 12/13/2023 |
| Help Center | 12/10/2023 | 12/13/2023 |
| Seller dashboard | 05/18/2023 | 05/26/2023 |
| Inventory | 06/21/2023 | 06/26/2023 |
| Orders | 06/27/2023 | 07/10/2023 |
| Sales Report | 07/11/2023 | 07/17/2023 |
| Sold History | 07/18/2023 | 07/25/2023 |
| **Admin Side** |  |  |
| Admin Authentication | 05/09/2023 | 05/10/2023 |
| Admin Dashboard | 05/18/2023 | 05/26/2023 |
| User Management | 08/01/2023 | 08/13/2023 |
| Inventory | 08/14/2023 | 08/21/2023 |
| **Capstone Defense** | 12/23/2023 | 12/23/2023 |

*[Table 5.2.1] Work Activities*

### Schedule allocation

The project is scheduled to span the entire duration of the second semester, with deliverables expected by May 31, 2023.

### 5.2.3. Resource allocation

As a student in CPC, there should be a fixed amount of time available for the project to ensure the completion. With this, there should be at least 8 working hours per day. During the whole semester, the development should use Windows 10 OS, and MySQL database for the project in the whole life cycle.

## 5.3. Control plan

This subsection of the SPMP will outline the metrics, reporting methods, and control procedures essential for gauging, reporting, and managing product requirements, project schedules, budgets, and resources, as well as the quality of work processes and outputs. All components of the control plan must align with the organization's standards, policies, and procedures for project control, as well as any contractual agreements related to project control.

### 5.3.1. Requirements control plan

Requirements will be managed and updated in the SRS's use case descriptions. Any alterations to conditions will be conveyed to the advisor and recorded in the version change logs.

### 5.3.2. Schedule control plan

A dedicated document will be used by the FloraFusion project manager to oversee the project timetable. They will put together team assignments and produce progress updates. The FloraFusion team will hold control meetings as part of their pre-planning procedure if there are deviations from the original plan. We will also take great care to maintain the deplaning procedure that is detailed in a separate document.

### 5.3.3. Budget control plan

FloraFusion does not include any expenses in this project; therefore, any possible budgets incurred will be recorded for transparency purposes. However, there are no expenses incurred as of yet.

### 5.3.4. Quality control plan

The FloraFusion team aims to deliver quality results to its clients and targeted users. Hence, upon delivering the outputs, the team ensures that they pass the Quality Assurance test.

### 5.3.5. Reporting plan

The FloraFusion team is having daily sync-ups to track its progress, ensuring that the project remains on schedule

### 5.3.6. Metrics collection plan

The FloraFusion team utilizes Microsoft Excel to track the progress of every module, ensuring that the team can achieve and meet deadlines while keeping all members aligned with the status of their modules

### 5.3.7 Risk Management Plan

The FloraFusion development team consistently conducts synchronization meetings, colloquially known as sync-ups, to proactively address potential risks associated with each module in the project. These sync-ups serve as a crucial mechanism for early risk identification and mitigation, fostering a more agile and resilient development process. By regularly aligning on the status and challenges of individual modules, the team ensures a proactive approach to risk management, enhancing the overall reliability and robustness of the project delivery.

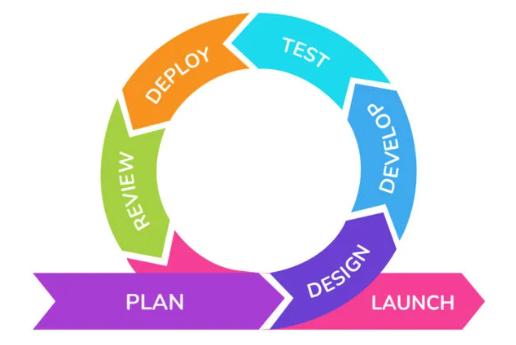
### 5.3.8 Project Closeout Plan

The FloraFusion team is committed to ongoing refinement and enhancement of the Web Application System even after its deployment to clients and users. This commitment to continuous improvement aligns with industry best practices, following an iterative development model. Post-deployment, the team will actively monitor user feedback, conduct regular system assessments, and implement updates to address any identified issues, optimize performance, and introduce new features. This approach ensures that the Web Application System remains resilient, user-friendly, and at the forefront of technological advancements throughout its lifecycle.

**6. Technical process plans**

This clause of the SPMP shall specify the development process model, the technical methods, tools, and techniques to be used to develop the various work products or plans for establishing and maintaining the project infrastructure; and the product acceptance plan.

## 6.1 Process Model



*Figure 2. Agile Methodology*

**OVERVIEW OF PHASES**

**Plan**

In this phase, the team identifies project requirements, defines the scope, and plans the overall strategy for development. This includes setting priorities, estimating timelines, and allocating resources.

**Design**

The design phase involves creating a blueprint for the software based on the requirements gathered in the planning phase. This includes designing the architecture, user interface, and other components necessary for development.

**Develop**

This is where the actual coding of the software takes place. Developers write code based on the design specifications, following coding standards and best practices. The development phase is iterative, with regular check-ins to ensure alignment with project goals.

**Test**

This phase includes various types of testing such as unit testing, integration testing, and system testing. The goal is to ensure the software meets the specified requirements and functions correctly.

**Deploy**

Deployment involves releasing the software to a production environment or a staging environment for real-world testing. This phase may also include activities like data migration and configuration setup.

**Review**

After deployment, the team conducts a review to assess the success of the project. This involves evaluating whether the software meets the business objectives, identifying areas for improvement, and gathering feedback for future iterations.

**Launch**

The launch phase involves making the software available to end-users or customers. It includes any necessary communication, training, and support to ensure a smooth transition to the new system. After launch, the project may continue with post-launch support and further iterations based on feedback.

## 6.2 Methods, Tools, and Techniques

The methods that we will be using in this project are MySQL and PHP. On the frontend side, we will be using HTML, VUE.JS Library, and Tailwind CSS.

**MySQL** - The database structure is organized into physical files optimized for speed. The logical data model, with objects such as data tables, views, rows, and columns, offers a flexible programming environment.

**PHP** - An extremely popular scripting language that is used to create dynamic Web pages. Combining syntax from the C, Java, and Perl languages, PHP code is embedded within HTML pages for server-side execution.

**HTML** - is the standard markup language for creating Web pages. HTML describes the structure of a Web page.

**VUE.JS Library** - a progressive JavaScript framework used for building user interfaces.

**Tailwind CSS** - a utility-first CSS (Cascading Style Sheets) framework with predefined classes that you can use to build and design web pages directly in your markup.

CORDOVA PUBLIC COLLEGE

COLLEGE OF COMPUTER STUDIES

Software Requirements Specifications

for

FloraFusion Market Web Application

CPC-BSIT-CAPSTONE-SPMP-1st SEM 2022-2023

Janah Darielyn P. Germo

April A. Tabornal

Jeffrey Igot

**Change History**

|  |  |  |
| --- | --- | --- |
| **Version** | **Changes Made** | **Editor and Date** |
| Version 1 | Changed the Web Application Name | Janah Darielyn Germo  August 22, 2023 |
| Version 3 | Changed the following features:   * The Review feature on the user side must be seen on the seller side * The “Delete Account” should be removed because if the user no longer wanted to use his/her account, he won’t be logging in into it. | Janah Darielyn Germo  September 9, 2023 |
| Version 3 | Changed the following features:   * Changed the color of the heart button when clicked. It should remain red. * Changed the color of the cart button. It should remain colored. | Janah Darielyn Germo  November 6, 2023 |
| Version 4 | Added the following features:   * Adding 3-4 pictures of the plants * Seller profile * Carousel pictures in the landing page * When the plants are clicked, the seller profile should be included in the modal and when clicked, the user should be routed to the seller’s profile * Ban feature in the admin side * Store Name of the plants in the inventory of the admin. | Janah Darielyn Germo and Jeffrey Igot  December 7, 2023 |
| Version 8 | Updated the External Interface | April Tabornal  December 8, 2023 |

**Preface**

The FloraFusion Market Web Application is a user-friendly, web-based platform designed to facilitate online plant purchases for customers. This application has been created to provide plant enthusiasts with the convenience of shopping for plants from the comfort of their own homes.

The primary objective of the FloraFusion Market Web Application is to assist customers who wish to buy plants through an intuitive and efficient online process. By leveraging the power of the internet, the application enables users to explore a diverse range of plants, conveniently place orders, and seamlessly complete transactions without the need to leave their residences.

**Table of Contents**

**Signature 2**

**Change History 3**

**Preface 4**

**Table of Contents 5**

**List of Figures 6**

**List of Tables 7**

**1. Introduction 8**

1.1. Purpose 8

1.2. Scope 12

1.3. Product Overview 12

1.3.1. Product Perspective 12

1.3.2. product Functions 12

1.3.4. Limitations 12

!.4 Definitions 12

**2. References 10**

**3. Specific Requirements 11**

3.1 External interface 12

3.2. Functions 12

3.4. Performance Requirements 12

3.5. Logical Database Requirements 12

3.6. Design Constraints 12

3.7. Software System Attributes 12

**List of Figures**

Figure 1. Landing Page Interface

Figure 2. Login Interface

Figure 3. Create Account Interface

Figure 4. User Profile Options Interface

Figure 5. Plants Interface

Figure 6. Plant Modal Interface

Figure 7. Wishlist Interface

Figure 8. Cart Interface

Figure 9. Payment Interface

Figure 10. Purchased History Interface

Figure 11. Review Interface

Figure 12. Order Tracker Interface

Figure 13. Seller Profile Options Interface

Figure 14. Seller Profile Page

Figure 15. Seller Dashboard

Figure 16. Seller Inventory

Figure 17. Add and Update Plant Modal

Figure 18. Seller Orders

Figure 19. Seller Order Details Modal

Figure 20. Seller Sales Reports

Figure 21. Seller Sales Report Sample

Figure 22. Seller Sold History

Figure 23. Admin Dashboard

Figure 24. Admin Customer Profiles

Figure 25. Admin Seller Profiles

Figure 26. Admin Inventory

Figure 27. High Level Use Case

Figure 28. Browse and Purchase Use Case

Figure 29. Manage Plant Business Use Case

Figure 30. Administrator Use Case

**List of Tables**

N/A

# Introduction

## Purpose

1. The Software Requirements Specification provides a comprehensive description of all the functions and specifications of the FloraFusion Market Web Application. It serves as a document that outlines the functionalities and behaviors that a web app should possess to achieve its objective. The SRS for the FloraFusion Market encompasses the specific requirements related to supporting plant sellers. The functionalities are designed to create a platform where plant sellers can showcase their products to customers, efficiently manage inventory, and process customer orders.
2. In addition to functional requirements, the SRS may also include non-functional requirements that define the qualities and constraints of the web app. These requirements could cover aspects such as performance, UI designs, and compatibility with various web browsers and devices.

## Scope

1. This web-based application serves as a platform for plant sellers to showcase their products, manage inventory, and process customer orders. It allows plant sellers to create accounts, showcase their products, and provide necessary information to potential customers. The app enables efficient inventory management by allowing sellers to update stock availability, add new products, and remove sold-out items. It also facilitates the processing of customer orders, including order placement, payment processing, and order tracking. The FloraFusion Market Web Application provides a user-friendly interface that ensures a seamless experience for both plant sellers and customers, allowing easy navigation and interaction with the application.

## Product Overview

### 1.3.1 Product perspective

The FloraFusion Market Web Application will operate over the internet and utilize MySQL as its backend repository. By running through the internet, the web app will be accessible to users via their web browsers. Users will be able to access the app's features and functionalities remotely, provided they have an internet connection.

MySQL will serve as the backend repository for the app, storing and managing the data related to the plant inventory, user information, orders, and other relevant information. As a relational database management system (RDBMS), MySQL will handle data storage, retrieval, and manipulation efficiently and securely.

### 1.3.2 Product Functions

FloraFusion Market Web Application functions are the following:

* User, Seller and Admin
* Plants, Cart, Wishlist, Reviews
* Chart
* Add, Update, Delete and, Upload photo of the plant
* Orders, Sales Reports
* Manage Accounts
* Chat
* Seller Profile

### 1.3.3 User Characteristics

The customers can view plants, add to their wish list, add to cart, write reviews, update profile, pay and track their order. The plant sellers can add, update, delete, and upload a photo of the plant, Input sales reports, manage user profiles, view order details, and deliver. The admin on the other hand can manage the seller accounts.

### 1.3.4 Limitations

* FloraFusion Market Web Application must be well-understood before the system will be implemented
* FloraFusion Market Web Application can run on any computer as long as it is connected to the internet.
* FloraFusion Market Web Application will be adaptable to any changes or any alteration and additional features.

## Definitions

* Relational Database Management System (RDBMS) - a type of database management system that is based on the relational model, which organizes data into tables consisting of rows and columns.
* UI - User Interface

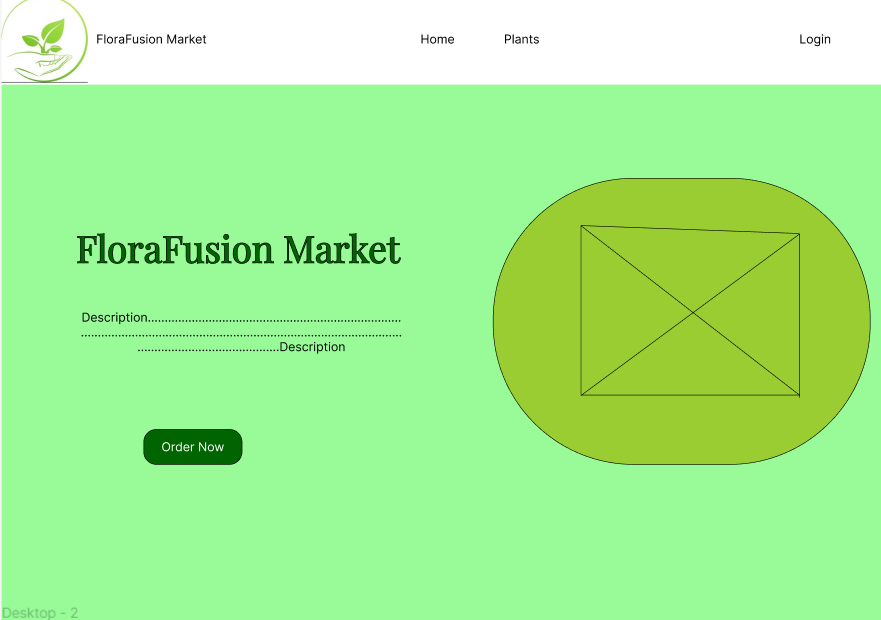
# References

IEEE 830-1998 PDF, IEEE examples and IEEE guidelines for Software Requirement Specifications

# Specific Requirements

## External interfaces

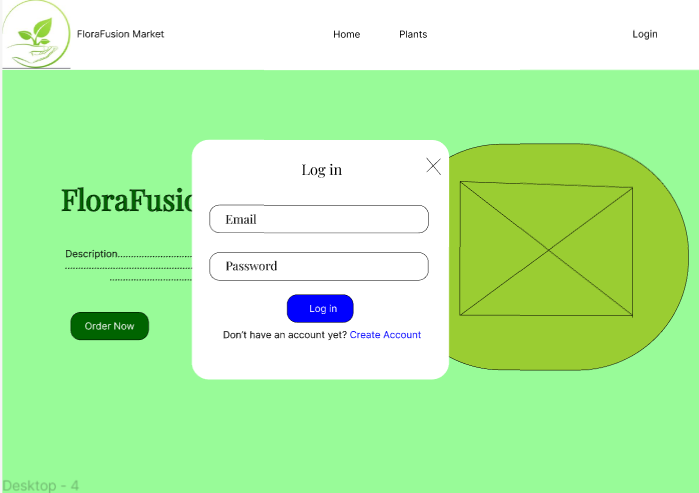
1. **3.1.1. User Interfaces**
2. Landing Page Interface



*Figure 1.*

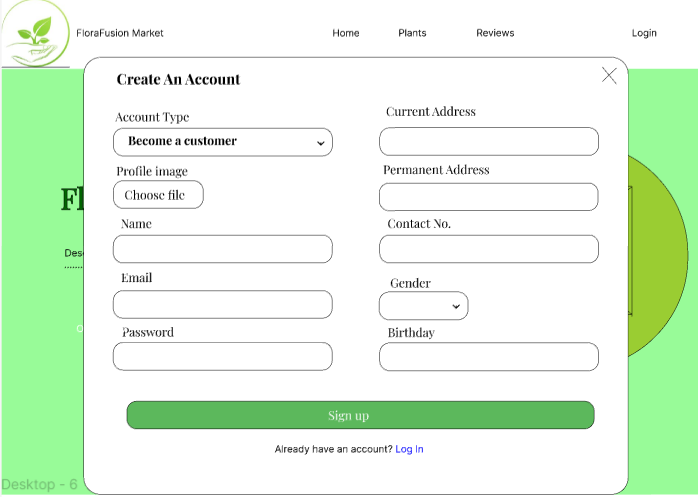
This is the landing page UI that appears first when the user opens this link.

1. Login Interface



*Figure 2.*

1. Create Account Interface



*Figure 3.1*

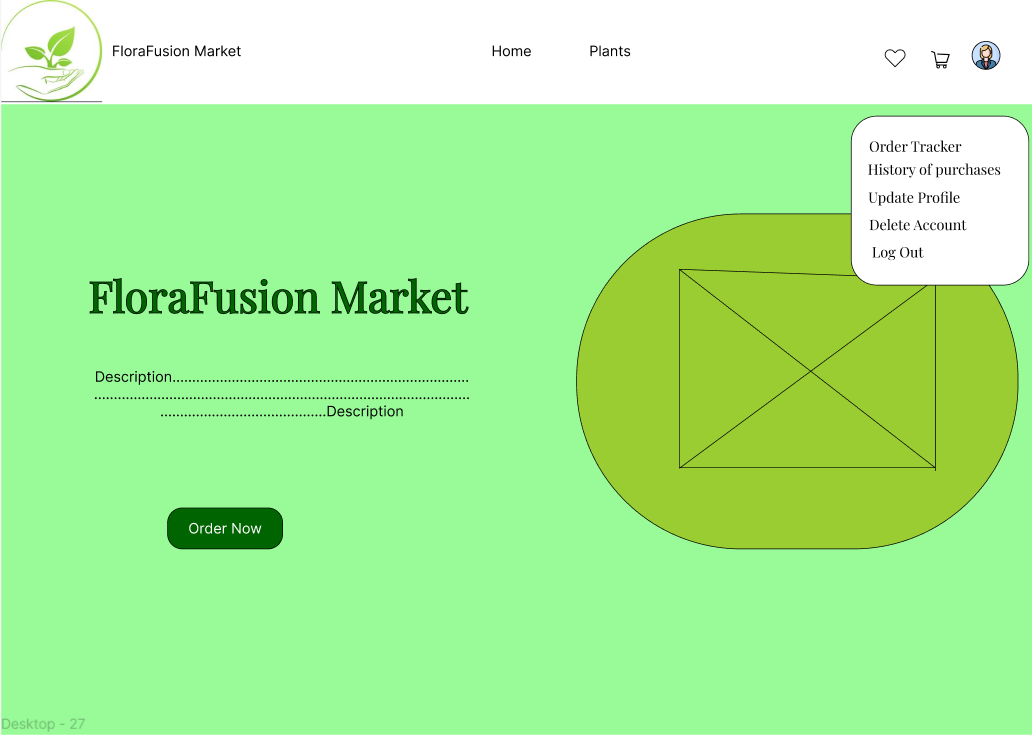
In this UI, the customer can create an account by selecting the "Become a customer" option. The customer will then need to input the necessary information to sign up.



*Figure 3.2*

In this UI, the seller can create an account by selecting the "Become a seller" option. The seller will then need to input the necessary information to sign up.

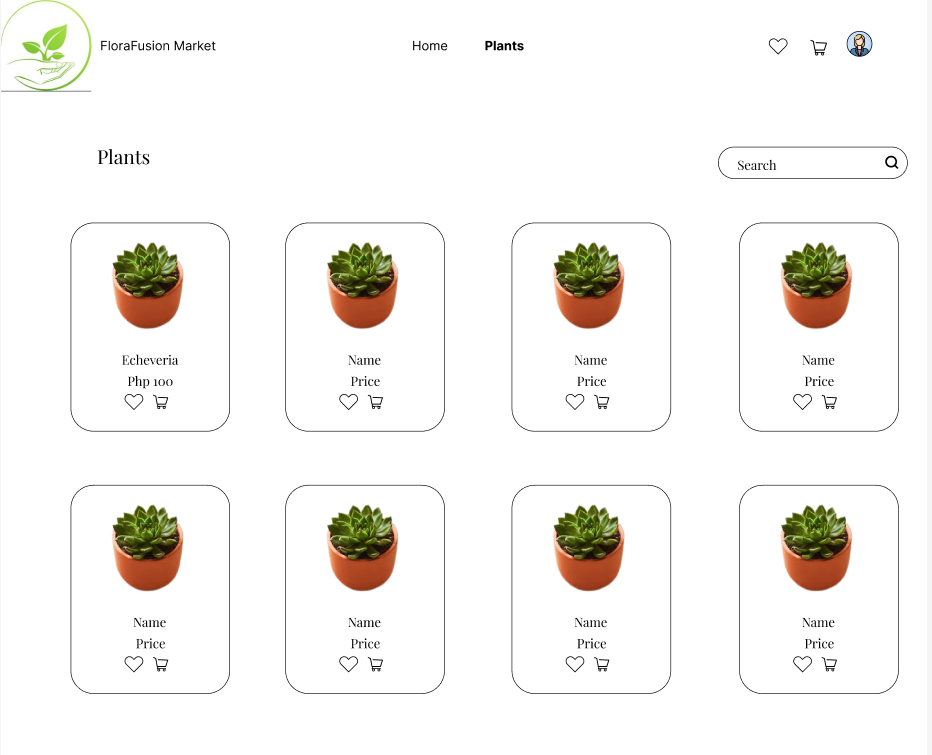
1. User Profile Options Interface



*Figure 4.*

When the user clicks the small profile icon in the upper left, they will see the options.

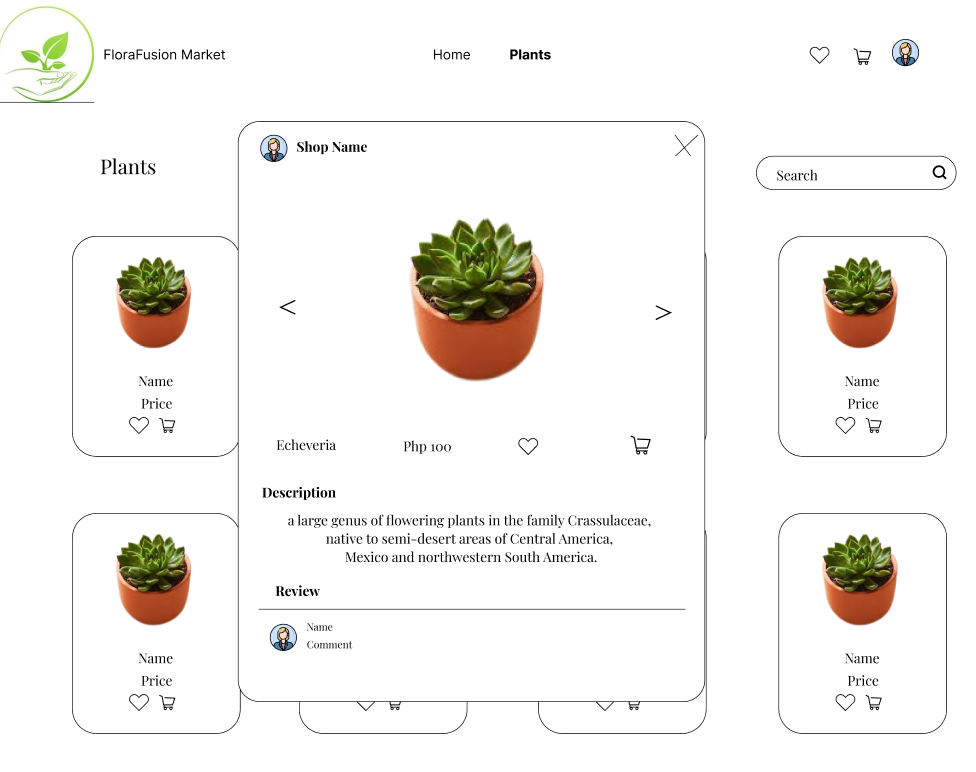
1. Plants Interface



*Figure 5.*

This user interface is where the plants are displayed. Users can also search for the plant they want.

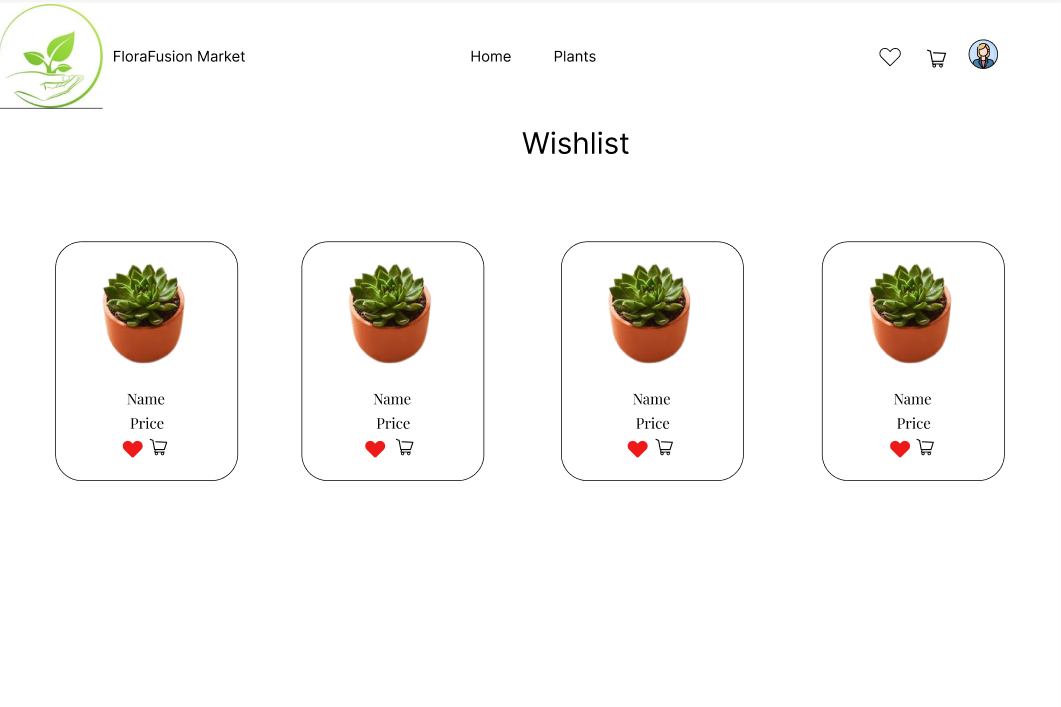
1. Plant Modal Interface



*Figure 6.*

This modal will pop up when the user clicks the plant. In this modal, the user will see the seller’s name, plant name, plant price, the heart icon which is the wish list, the cart icon which is the add to cart, and the description.

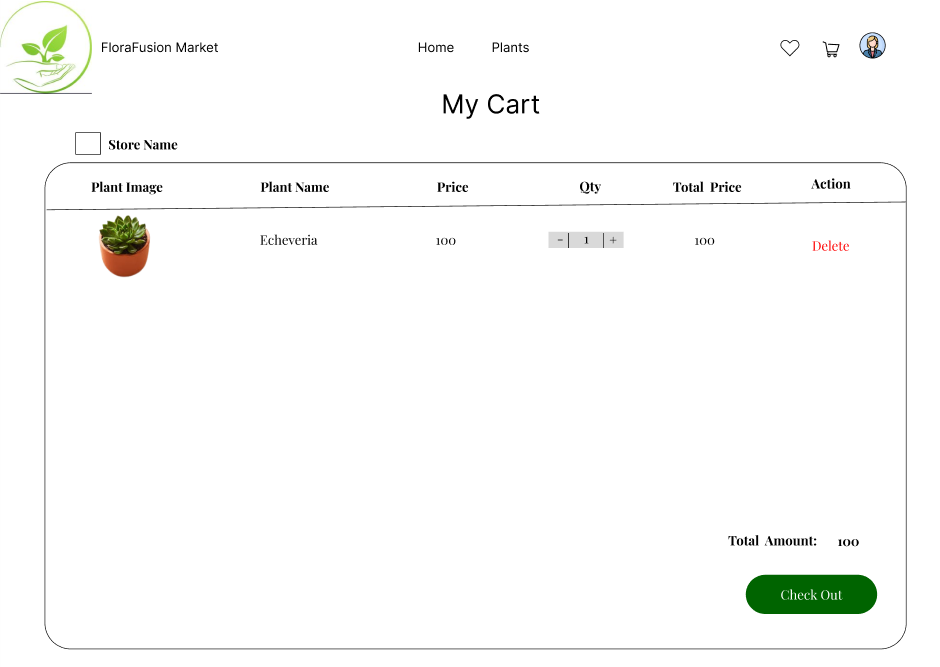
1. Wishlist Interface



*Figure 7.*

This is where the user can see their wish list. They can remove items by clicking the heart again.

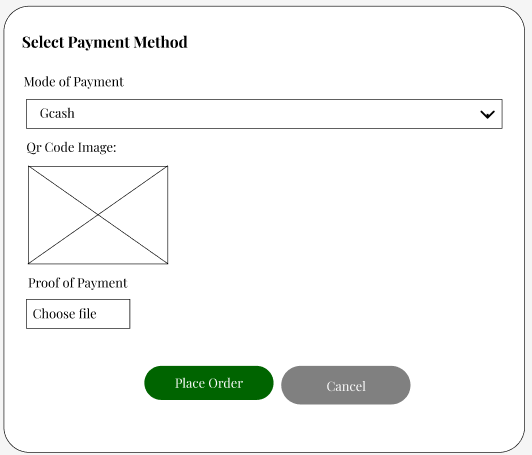
1. Cart Interface



*Figure 8.*

This interface is the user's cart. The user can add or decrease the quantity of the product. They also have the option to delete items. After the user decides what to buy, they can proceed to checkout.

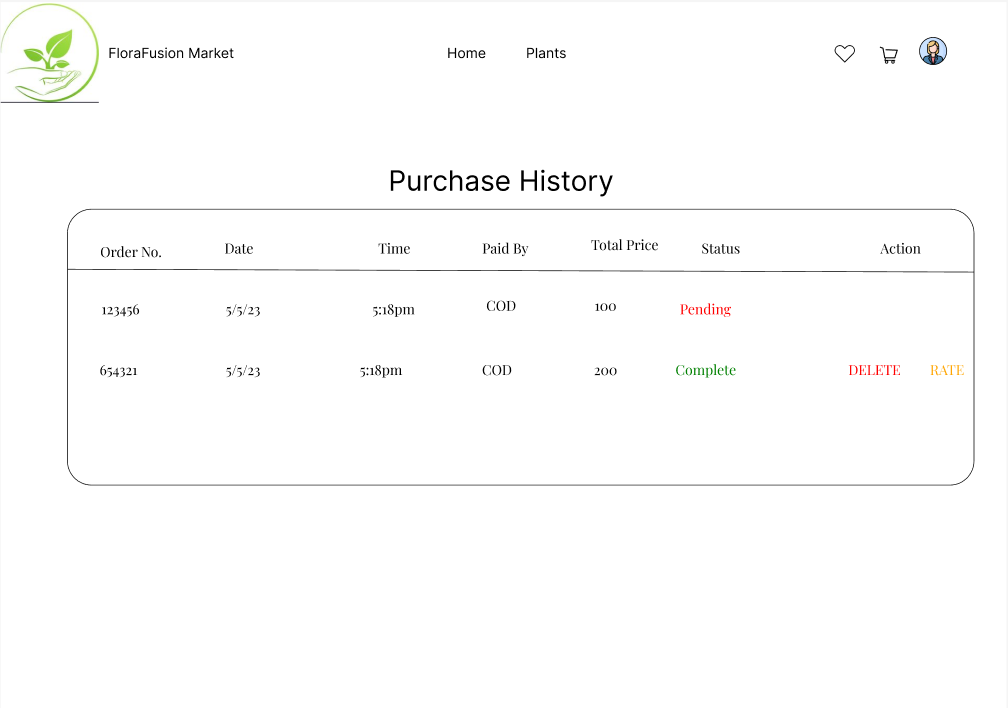
1. Payment Interface



*Figure 9.*

The user will choose the mode of payment. Then the user will need to upload the proof of payment to place the order.

1. Purchased History Interface



*Figure 10.*

Here, the user will see their recent purchases and the status of their orders. They will also have the option to delete and rate/write a review of the plant they received.

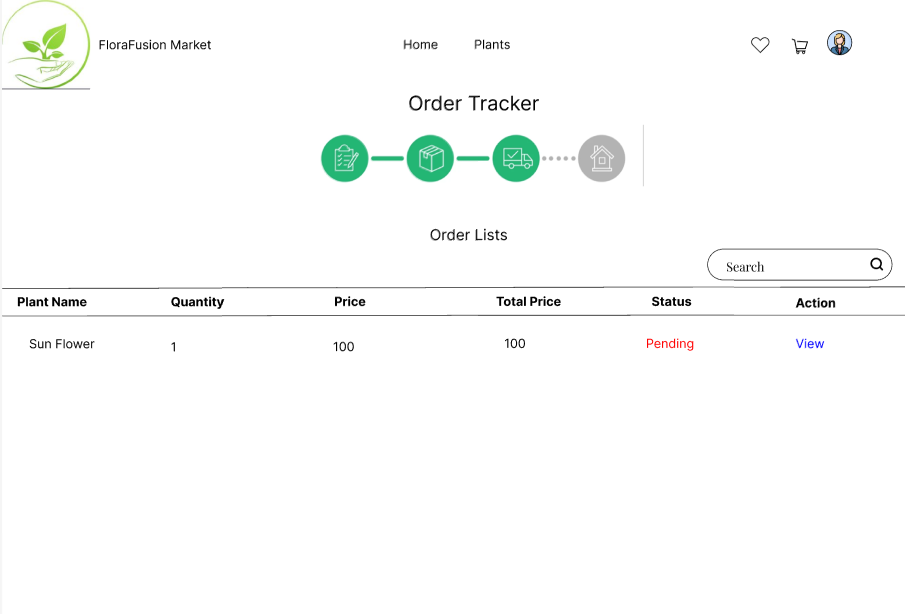
1. Write a Review Interface



*Figure 11.*

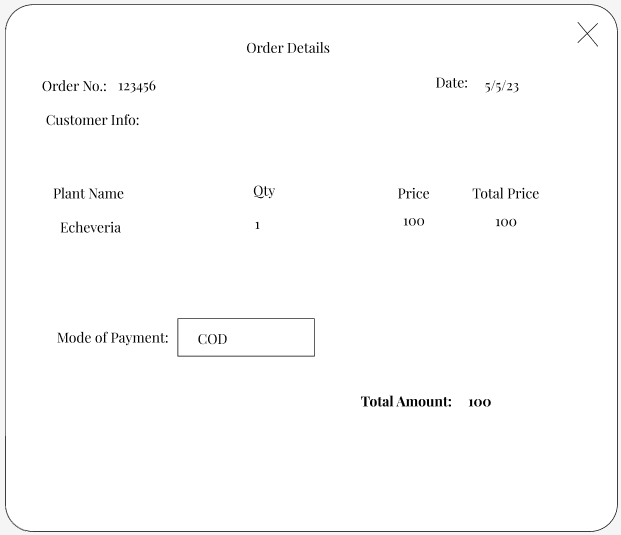
This is where the user submits its reviews.

1. Order Tracker Interface



*Figure 12.1*

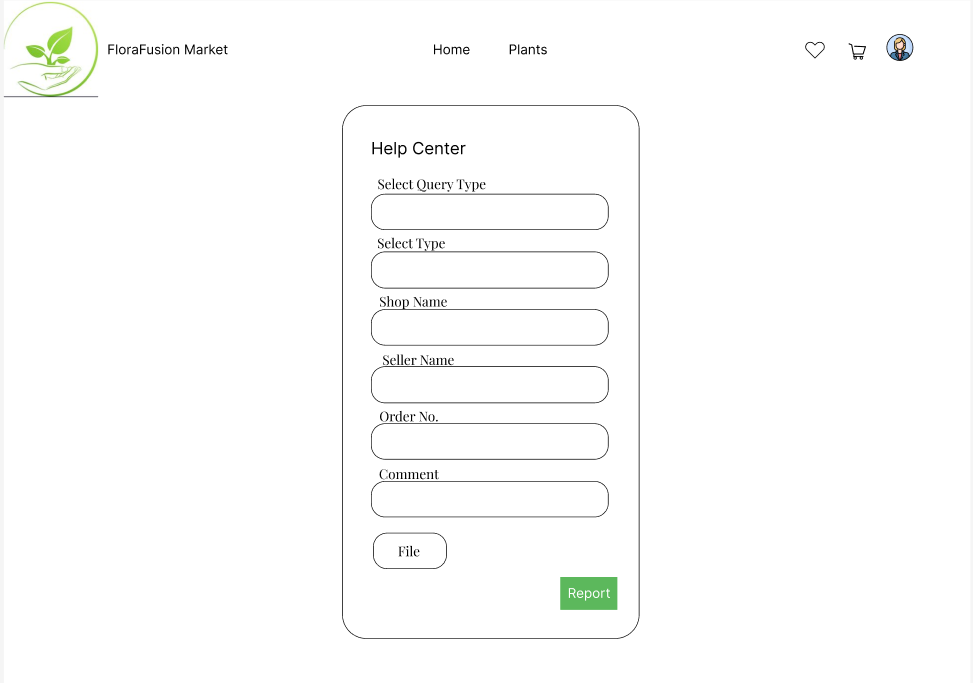
Here, they can track their orders.



*Figure 12.2*

They can view the details of their orders when they click the “view” button.

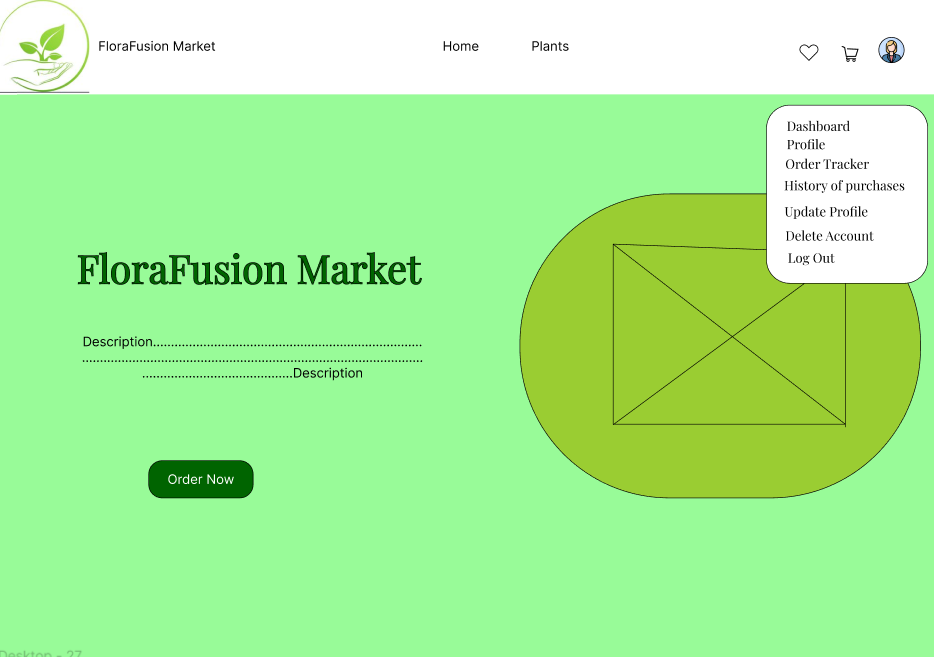
13. Help Center



*Figure 13.*

Here, the customer can send a report whenever they encounter problems with their order.

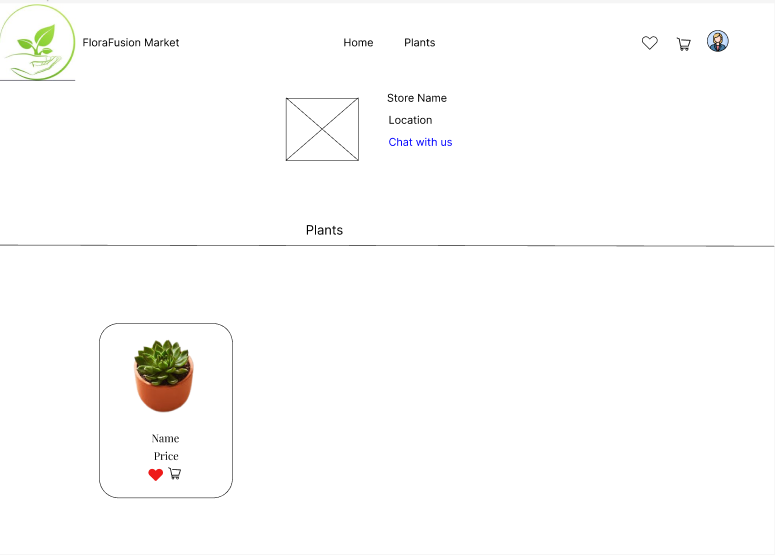
1. Seller Profile Options Interface



*Figure 13.*

In this interface, the user has options in their profile to choose from.

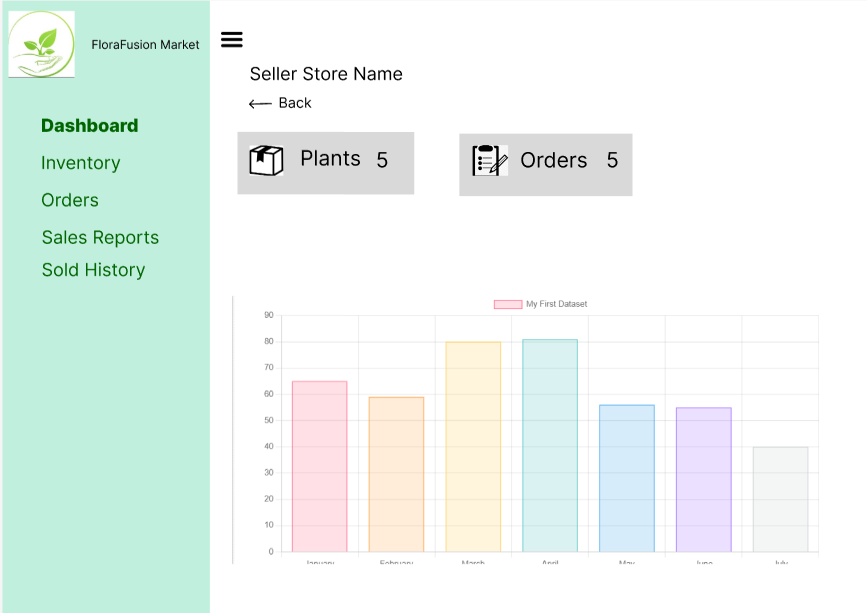
1. Seller Profile Page



*Figure 14.*

Here, we can see the seller’s profile, store name, location, and the plants of the seller. We can even chat with them if ever we have any inquiries about their plants.

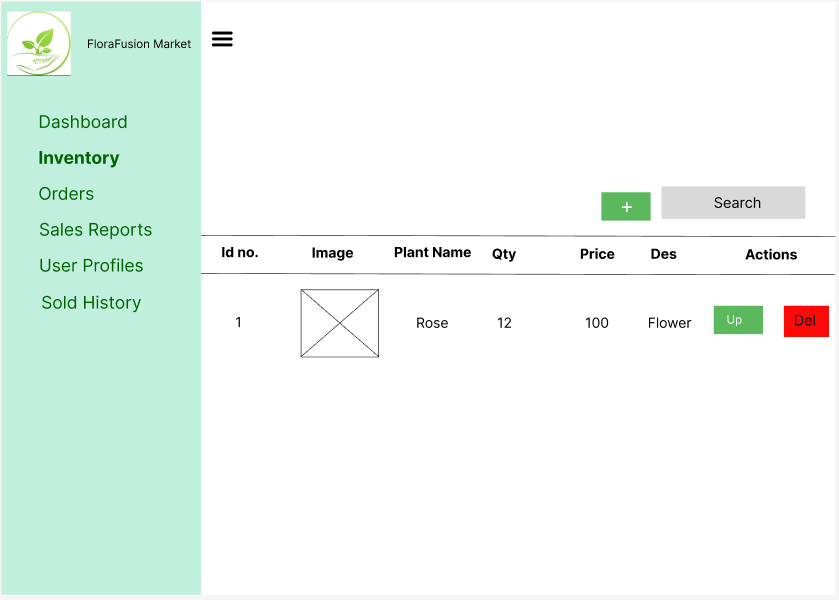
1. Seller Dashboard



*Figure 15.*

The seller can see the total of their products and also the orders. They can view the monthly sales of their products.

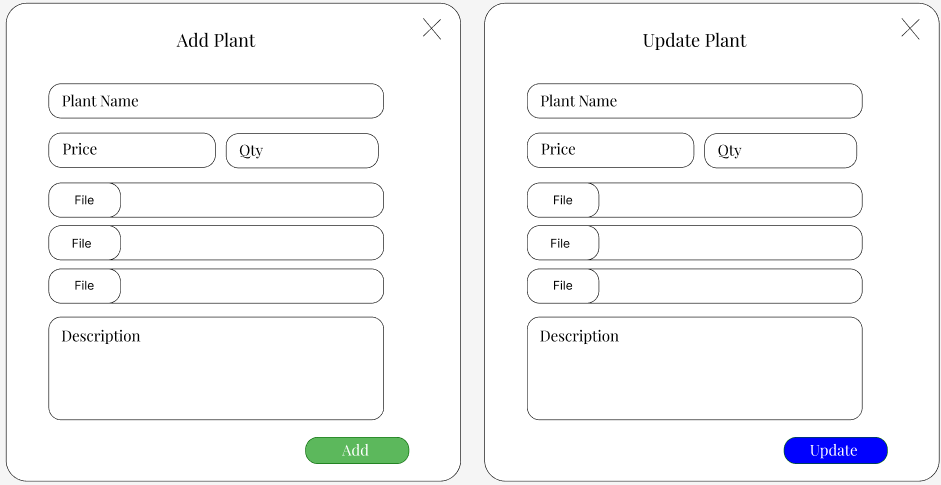
1. Seller Inventory



*Figure 16.*

This is the seller inventory. Here, the seller can add, update, delete and even search for the plant.

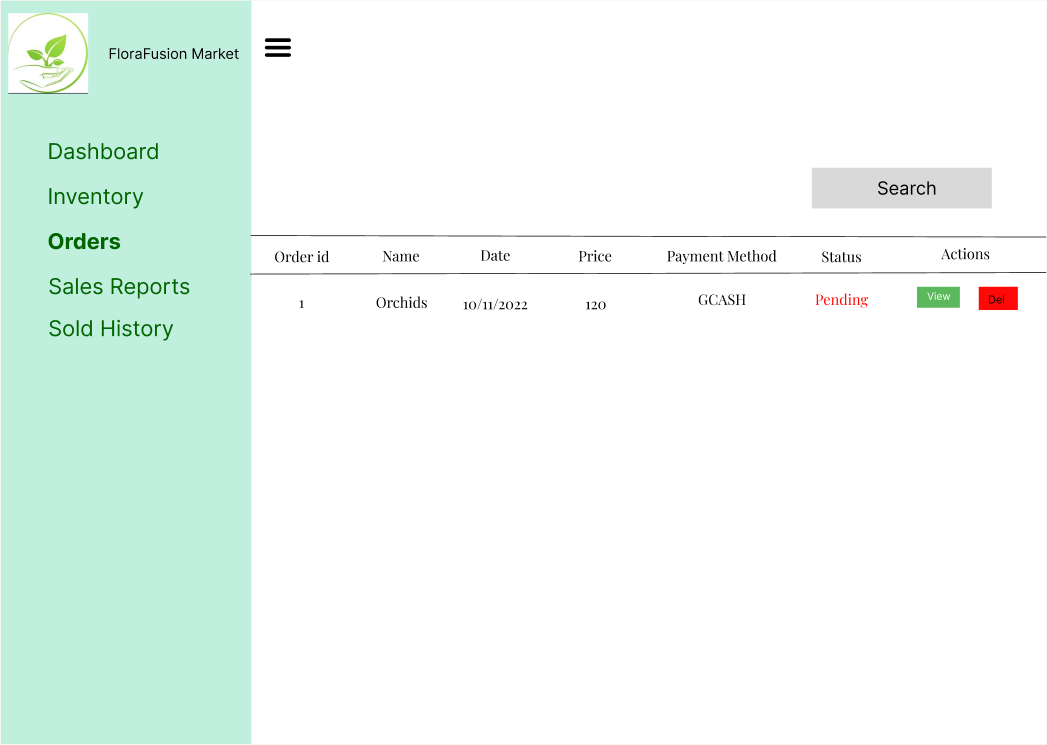
1. Add and Update Plant Modal



*Figure 17.*

This modal will pop up when the seller adds or updates the plant.

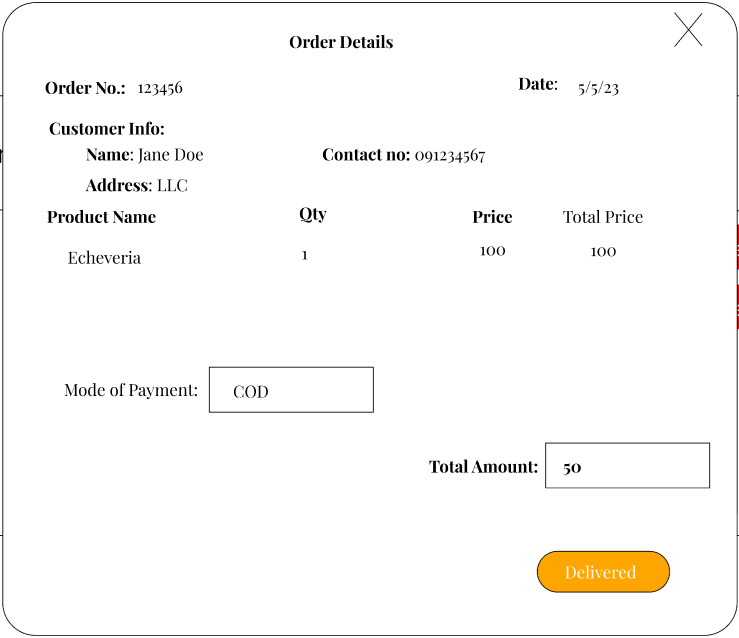
1. Seller Orders



*Figure 18.*

The seller can see the orders here. They can also use the search field to filter the orders.

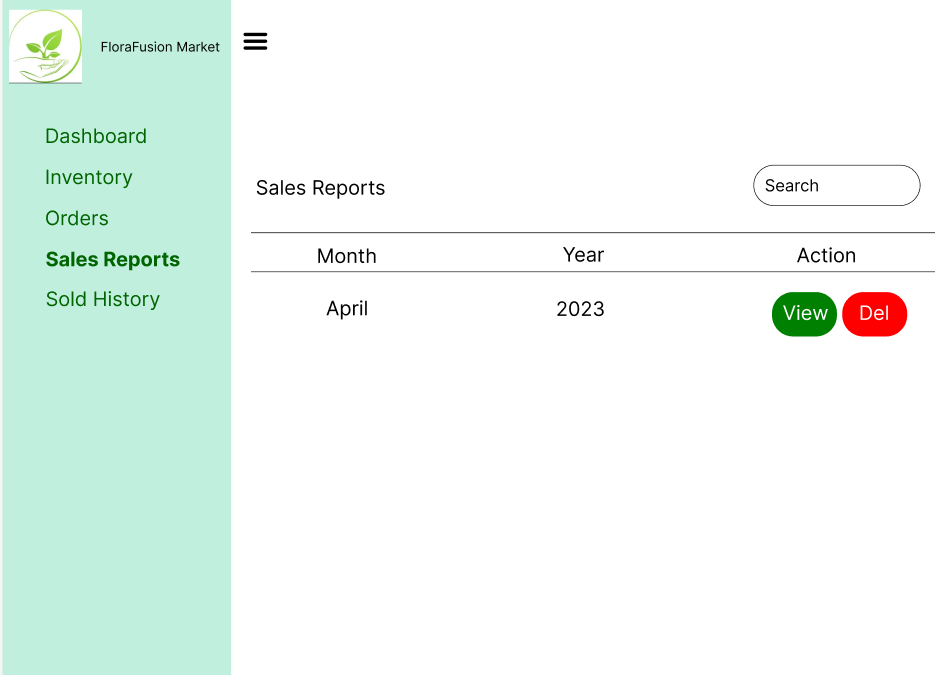
1. Seller Order Details Modal



*Figure 19.*

When the seller clicks the order, this modal will pop up and the seller can see the details of the order.

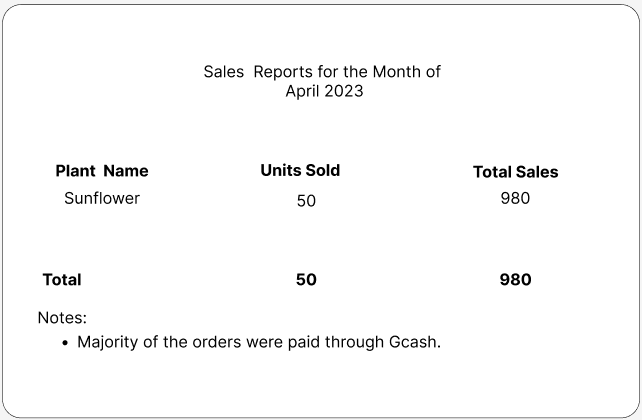
1. Seller Sales Reports



*Figure 20.*

The monthly sales report of the plants will be created automatically.

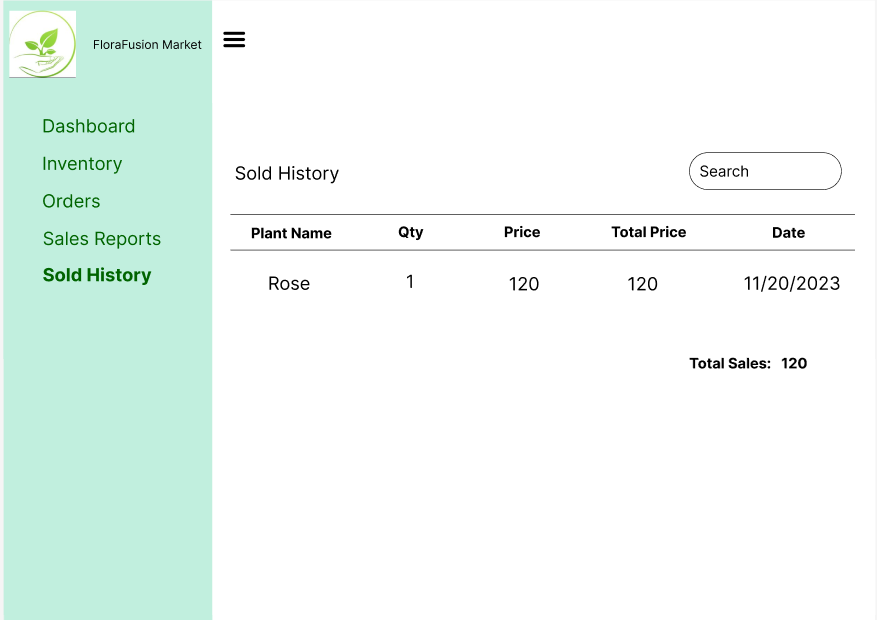
1. Seller Sales Report Sample



*Figure 21.*

This is the sample of Monthly Reports that was sold for the month of April.

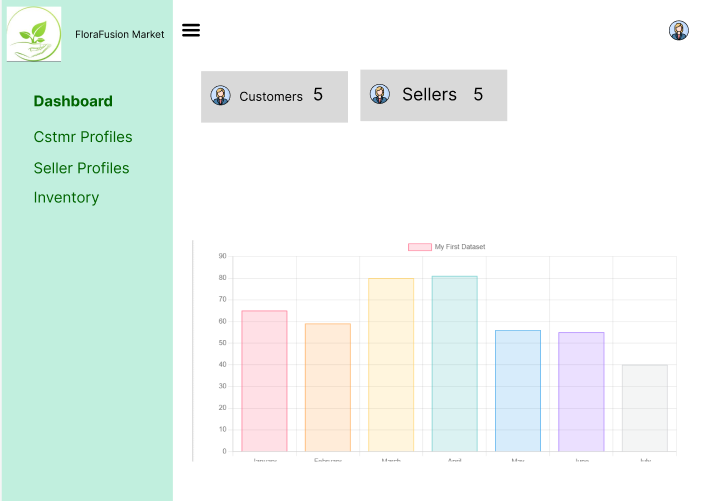
1. Seller Sold History



*Figure 22.*

Here, the seller will see the history of the sold plants. The seller can view the plant name, quantity, price, date of purchase, total price, and the total sales of the plants. The seller can also use the search field to filter the sold plants.

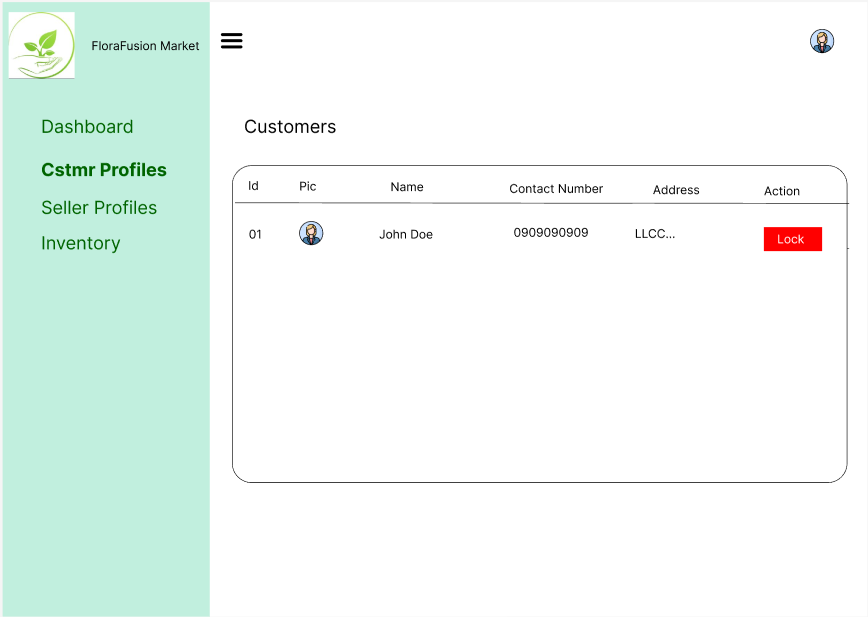
1. Admin Dashboard



*Figure 23.*

The admin can see the total customers and sellers here. The admin can also see the overall sales of all plants of the sellers.

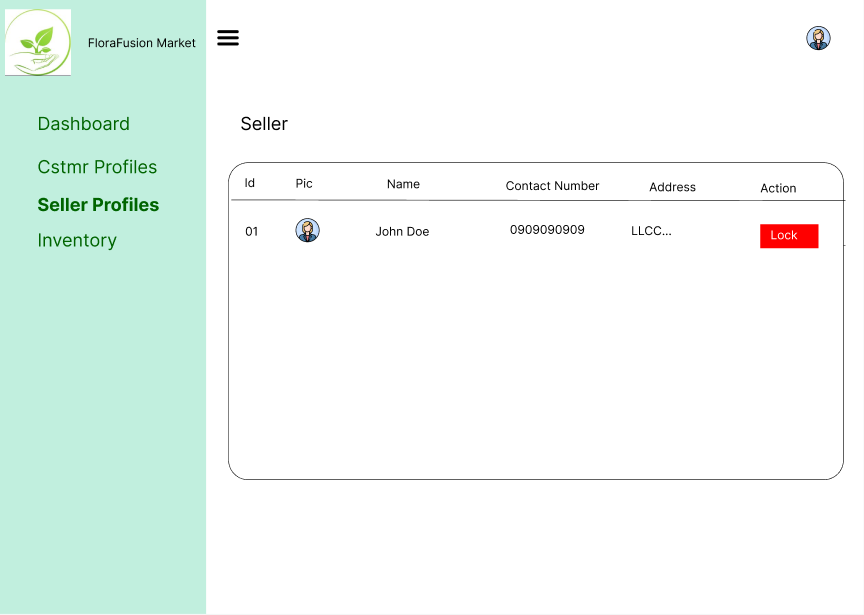
1. Admin Customer Profiles



*Figure 24.*

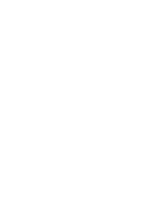
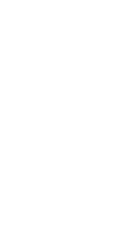
The admin can lock the customer's account if the customer engages in unacceptable behavior.

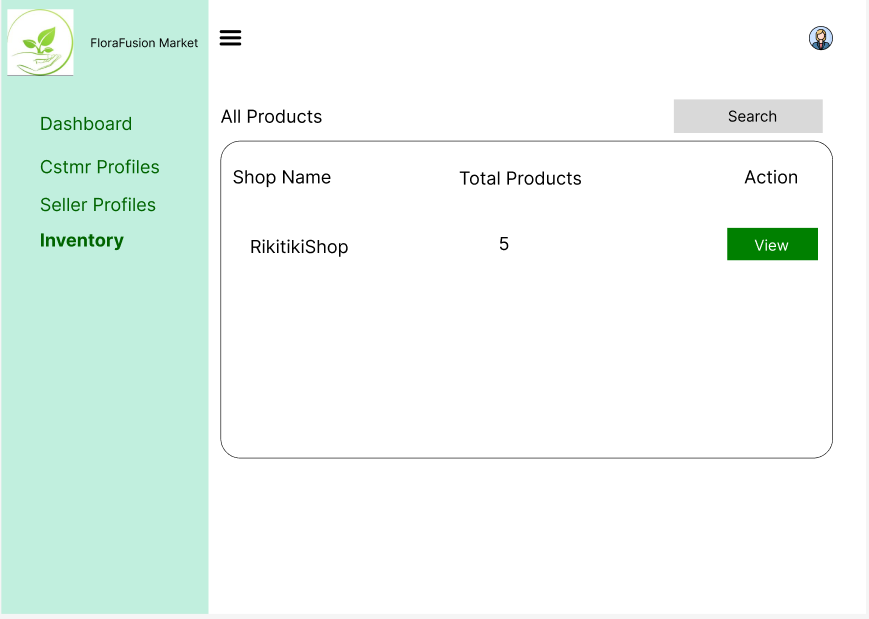
1. Admin Seller Profiles



*Figure 25.*

The admin can also lock the seller’s account if the customer engages in unacceptable behavior.

1. Admin Inventory

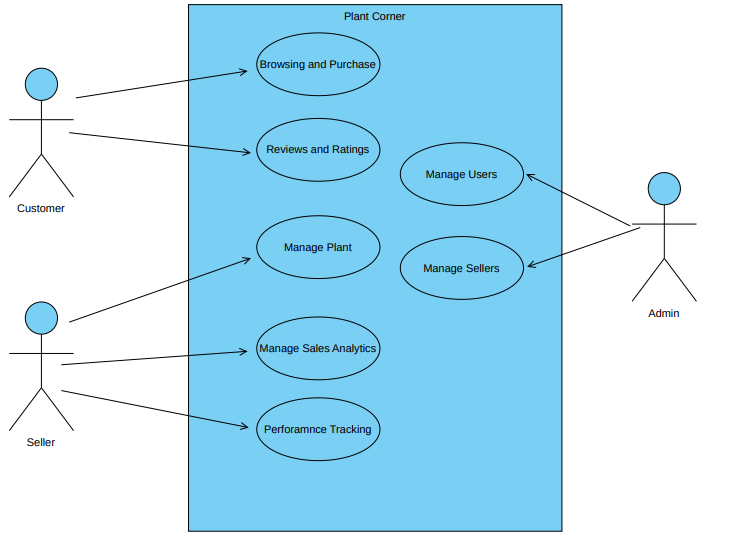


*Figure 26.*

In here, the admin can view all the products of all sellers.

## Functions

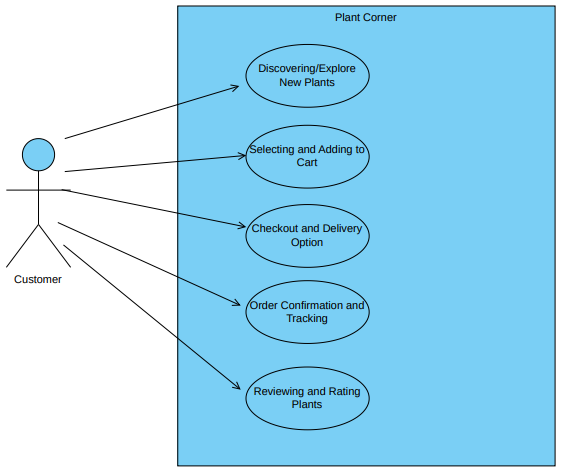
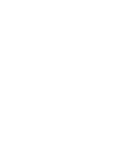
* + 1. **High-Level Use Case**

****

*Figure 27.*

This use case deals with the user interaction of the system process.

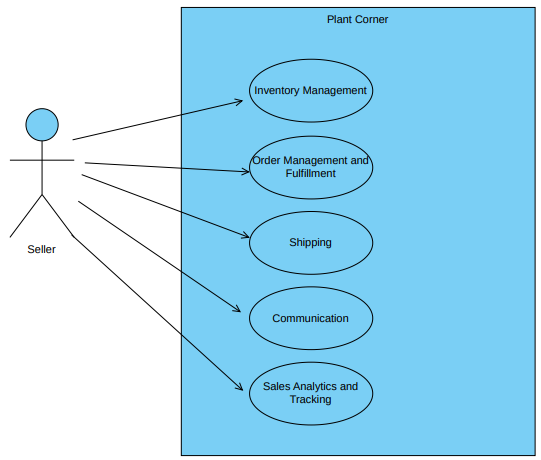
* + 1. **Browse and Purchase Use Case**

**** 

*Figure 28.*

This use case enables users to browse and select plants, add them to a cart or wish list, and purchase and track their order.

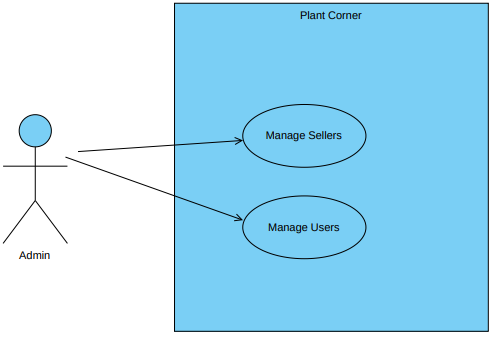
* + 1. **Manage Plant Business Use Case**

****

*Figure 29.*

This use case is for the seller to manage the inventory, generate sales reports, and view and deliver orders.

* + 1. **Administrator Use Case**

****

*Figure 30.*

This use case is where the admin manages the users.

## Usability requirements

Define usability (quality in use) requirements. Usability requirements and objectives for the software system include measurable effectiveness, efficiency, and satisfaction criteria in specific contexts of use.

## 3.4. Performance requirements

FloraFusion Market Web Application has 3 possible users: the customer, the seller and the admin. The information of the seller and the user will be saved in the RDBMS that will serve as the repository of the information.

## 3.5. Design constraints

This should specify design constraints that can be imposed by other standards, hardware limitations, etc.

## 3.6. Software system attributes

**Reliability**

The system can make the process of productivity more efficient. By automating the process, it is now convenient for the user to purchase plants efficiently without a hassle.

**Maintainability**

The system is designed to be maintainable because this project is a subset of a larger system which is adoptable of any changes or alteration of the system with or without prior notice.



**CORDOVA PUBLIC COLLEGE**

**COLLEGE OF COMPUTER STUDIES**

Software Design Description

for

FloraFusion Market Web Application

CPC-BSIT-CAPSTONE-SPMP-1ST SEM 2022-2023

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April A. Tabornal

Jeffrey Igot

**Change History**

**Preface**

**Table of Contents**

**Signature 2**

**Change History 3**

**Preface 4**

**Table of Contents 5**

**List of Figures 6**

**List of Tables 7**

**1.** **Introduction 8**

1.1. Purpose [8](#_heading=h.49x2ik5)

1.2. Scope [8](#_heading=h.2p2csry)

1.3. Reference Material [8](#_heading=h.46r0co2)

1.4 Definitions and Acronyms [8](#_heading=h.147n2zr)

**2.** **System Overview 8**

**3.** **System Architecture 9**

3.1. Architectural Design [9](#_heading=h.3l18frh)

3.2. Decomposition Description [9](#_heading=h.206ipza)

*3.2.1.* *Module 1 Description 9*

*3.2.2.* *Module 2 Description 9*

3.3. Design Rationale [9](#_heading=h.1hmsyys)

**4.** **Data Design 10**

4.1. Data Description [10](#_heading=h.2grqrue)

4.2. Data Dictionary [10](#_heading=h.vx1227)

**5.** **Component Design 11**

5.1. Component Description 1 [11](#_heading=h.1v1yuxt)

5.2. Component Description 2 [11](#_heading=h.4f1mdlm)

**6.** **Human Interface Design 12**

6.1. Overview of User Interface [12](#_heading=h.19c6y18)

6.2. Screen Images [12](#_heading=h.3tbugp1)

6.3 Screen Objects and Actions [12](#_heading=h.28h4qwu)

**7.** **Requirement Matrix 13**

**8.** **Appendices 14**

**List of Figures**

**List of Tables**

# Introduction

## . Purpose

To describe clearly the software designs such as the UI, process, and Data Designs this section should provide the complete details of how each design should be done. The purpose of this document is to make a system design that will serve as a guide in developing the software. One of the outputs of this document is to make an Entity Relationship Diagram and User Interface Design.

## 4.2. Scope

This document provides a comprehensive description of each module in the design of the FloraFusion Market Web Application. Its purpose is to enhance understanding of each module within this web application.

## 1.3 Definitions and Acronyms

ERD – Entity Relationship Diagram

UI – User Interface

# System Overview

The FloraFusion Market is a comprehensive web-based application designed to offer users a seamless online platform for browsing and purchasing various types of plants. This system is tailored to cater specifically to plant enthusiasts, making the process of discovering and acquiring plants more convenient and enjoyable.

# System Architecture

The System Architecture of FloraFusion Market is divided into four components:

**Admin Dashboard:** This component is one of the essential architectures of the system. It has monitoring and controlling features for the users in the platform such as a list of the posted products, sales, and user management.

**Application Server:** The components consist of all the business logic of the platform.

**Web Server:** This component handles HTTP requests and responses. Acts as a bridge connection between the user interface with the application server.

**Database Server:** This component manages the storage of the data. It includes the user information, product list, and orders.

## Architectural Design

**User Interface (UI):** It is responsible for user interfaces for the users. It includes the web pages, displaying each feature of the platform.

**Database Server:** Manages storing of data. It includes the user information, products, orders, and transactions.

**Business Logic:** Handles the functionality of each feature.

**Web Server:** Handles HTTP requests and responses. Acts as a bridge connecting the user interface (UI) with the application server.

## Decomposition Description

FloraFusion Markets can be decomposed into three main modules:

**Seller Module:** This module contains the necessary features that sellers may utilize. These include posting products, viewing orders, and monitoring sales.

**Customer Module:** This module encompasses essential functionalities for a customer, including browsing, searching, placing an order, checking order status, and processing transactions.

**Admin Module:** This module is responsible for managing and manipulating various aspects of the platform, including product lists, user management, and sales.

### User Registration

This module enables users to create their accounts within the system. Users need to provide the required information like username, email, and password.

### User Login

This module serves as the filter for what type of account will be used in the system.

### User Authentication

This module is essential for the user to access the application. It is responsible for managing the authentication process by verifying user credentials to ensure secure access.

### User Profile

This module functions as a comprehensive interface, allowing users to manage their accounts efficiently. It includes features such as tracking purchase history, monitoring order updates, updating profile information, and initiating secure logouts.

### Products Module

This module serves as the interface through which the users interact with the system to access information about the available plants from the seller.

### Wishlist Module

This module is designed to provide users with the functionality to manage their preferences and interests within the system. It allows users to add specific products to a personalized Wishlist, serving as a repository for future reference or designating items as favorites.

### Cart Module

This module provides users with visibility into the plants they added to their cart and allows them to proceed with the checkout process.

### Seller Profile

This module provides the seller information including the shop’s store and its plants.

### Seller Dashboard

This module provides sellers with insight into the availability of plants and the number of orders. Additionally, sellers can access graphical representations, such as charts, to further analyze relevant data.

### Seller Inventory

This module provides sellers with the ability to manage their plant inventory, including functions such as adding new plants, updating existing information, and deleting items.

### Seller Order

The Seller Order Module is one of the essential technical components enabling sellers to efficiently manage incoming orders. It encompasses functionalities for order retrieval, processing logic, secure transactions, communication channels, authorization, logging, and reporting. Through secure authentication and role-based access control, sellers can access and process orders, ensuring data integrity.

### Seller Sales Reports

This module offers a comprehensive overview of the sales performance for a specified period. Sellers can visualize the monthly peak of plant sales.

### Seller Sold History

This module allows sellers to review the history of sold plants. Additionally, sellers can generate sales reports within this module.

### Admin Dashboard

This module handles monitoring of user activities such as data handling, sales, and total users that being registered into the platform.

### User Management Module

To manage individual data and credentials, such as removing user from the platform. To be able to check the provided information to ensure that the user is legitimate.

### Admin Inventory Module

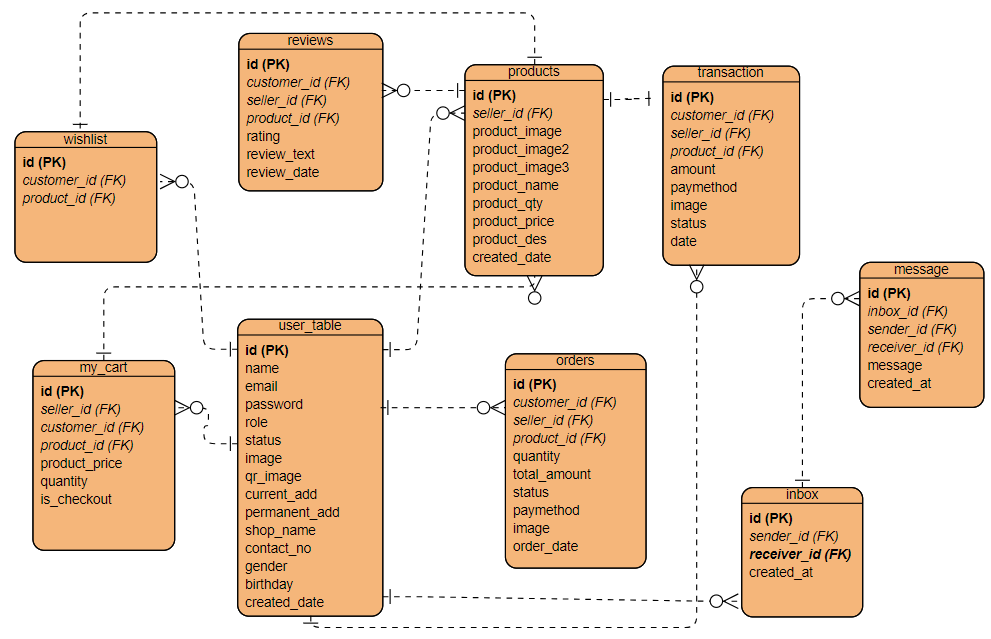
This module able to handle the posted products from the user or seller end. The modules include all the product lists, status, and stocks.

## Design Rationale

The design rationale of the FloraFusion Market is tailored to cater to plant enthusiasts. The primary objective of the platform is to offer a streamlined application that facilitates effortless posting of plants, with a particular emphasis on meeting the needs of those engaged in plant-related businesses.

1. **E-Commerce Design:** The primary objective of this platform is to offer an e-commerce-oriented design that mirrors a familiar interface, drawing upon the user experiences common in other applications to provide a user-friendly interface.
2. **Logo Color Scheme:** The FloraFusion Market logo embodies a chlorophyll color palette, establishing a direct and concise connection with plants by visually encapsulating the essence of plant life.   
     
   **Light green** – The primary focus of the platform is underscored by its emphasis on plants, elucidating its central purpose and commitment to botanical-related functionalities. This strategic orientation aligns with the platform's technical architecture, ensuring a specialized and optimized environment for plant-related activities.
3. **Emphasizing Important Information:** The thematic elements and color scheme employed in the platform are strategically curated to accentuate the overarching objective of the application, specifically centered around plant-related activities. This design approach serves to enhance user engagement and reinforce the platform's core purpose. Functionally, the platform facilitates plant enthusiasts in seamlessly showcasing and monetizing their botanical inventory through a streamlined posting process, thereby enabling a revenue-generation mechanism for users.

# Data Design



## Data Description

The data description provides insights into each entity and its associated attributes within the system:

**User Table:** The information stored in this table is about the things a user likes. It consists of attributes such as ID, user ID, post-item ID, and timestamp.

**Orders:** This table encompasses records of customer orders. It contains details regarding the products selected by the customer.

**My Cart:** is responsible for managing the items currently in a user's shopping cart. It includes attributes like customer ID, product ID, product price, quantity, status, and timestamp, reflecting the user's interactions with the cart.

**Wishlist**: This table is dedicated to storing the wish list of a customer. It comprises attributes such as user ID and product ID, representing association between users and the products they wish to acquire.

**Products**: This serves as the repository for the various products within the system. This table has attributes that have relevant details to provide a comprehensive overview of the available products.

**Reviews**: This table captures the feedback from customers regarding the products in the system. This table facilitates the recording of customer opinions to enhance the product evaluation process.

**Inbox:** The Inbox table serves as a repository of available contacts, functioning as a reference for managing messages within the system. It is a relational database entity that holds pertinent information about users or entities that can be engaged in communication. The table likely includes fields such as sender IDs, receiver IDs, and other relevant attributes that facilitate the identification and retrieval of contact information.

**Message:** The Message table is designed to store and organize conversations between sellers and customers within the system. This relational database entity is structured to capture the exchange of information, queries, and responses between the two parties. Fields within this table may include message IDs, sender and receiver details, timestamps, and the content of the messages. The Message table is essential for tracking and managing communication threads between sellers and customers.

**Transaction:** The Transaction table functions as a comprehensive repository for recording transaction details associated with user interactions, particularly focusing on payment-related information. This relational database entity captures data such as payment methods, proof of payment, transaction IDs, timestamps, and any other relevant details pertaining to financial transactions. It plays a crucial role in maintaining a systematic record of all monetary exchanges and is integral to the overall financial management system of the application or platform.

## Data Dictionary

Entity Name: user\_table

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary Key) | Int |
| Name | Varchar |
| Email | Varchar |
| Password | Varchar |
| Role | Int |
| Status | Int |
| Image | Text |
| Qr\_image | Text |
| Current\_add | Varchar |
| Permanent\_add | Varchar |
| Contact\_no | Text |
| Gender | Int |
| Birthday | Date |
| Created\_date | Timestamp |

Entity Name: products

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary Key) | Int |
| Seller\_id (Foreign Key) | Int |
| Product\_image | text |
| Product\_image2 | Text |
| Product\_image3 | text |
| Product\_name | Varchar |
| Product\_qty | Int |
| Product\_price | Int |
| Product\_des | Varchar |
| Created\_date | Timestamp |

Entity Name: orders

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Seller\_id (Foreign key) | Int |
| Customer\_id (Foreign key) | Int |
| Product\_id (Foreign key) | Int |
| Total\_amount | Decimal |
| Status | Int |
| paymethod | Int |
| image | Text |
| Order\_date | Timestamp |

Entity Name: my\_cart

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Seller\_id (Foreign Key) | Int |
| Customer\_id (Foreign key) | Int |
| Product\_id (Foreign key) | Int |
| Product\_price | int |
| Quantity | Int |
| Status | Int |
| Is\_checkout | int |

Entity Name: wishlist

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Customer\_id (Foreign key) | Int |
| Product\_id (Foreign key) | Int |

Entity Name: reviews

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Customer\_id (Foreign key) | Int |
| Seller\_id (Foreign Key) | Int |
| Product\_id (Foreign key) | Int |
| Rating | Int |
| Review\_text | Text |
| Review\_date | Datetime |

Entity Name: inbox

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| sender\_id (Foreign key) | Int |
| receiver (Foreign key) | Int |
| created\_at | Varchar |

Entity Name: message

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Inbox\_id (Foreign key) | Int |
| Sender\_id (Foreign key) | Int |
| Receiver\_id | Int |
| Message | Varchar |
| Created\_at | Varchar |

Entity Name: transaction

Table

|  |  |
| --- | --- |
| **Attributes** | **Data Type** |
| Id (Primary key) | Int |
| Customer\_id (Foreign key) | Int |
| Product\_id (Foreign key) | Int |
| Seller\_id (Foreign Key) | Int |
| Amount | Int |
| Paymenthod | Int |
| Image | Text |
| Status | Int |
| Date | Timestamp |

# Component Design

**User Interface (UI) Component**

This component provides the customer interface for the system. It encompasses features such as plants, carts, wish lists, and buttons, providing the necessary visual and interactive elements for users to engage with the system.

**Business Logic Component**

This component serves as the core processing unit within the system, housing the essential logic for handling user requests and overseeing the manipulation of the system data. This encompasses crucial CRUD (Create, Read, Update, Delete) functionalities, allowing for the addition, modification and removal of data within the system.

**Database Component**

This component serves as the repository for the system, responsible for the storage and retrieval of crucial information and data. It efficiently manages various datasets, including but not limited to user information, product details, orders, and transactions.

## Component Description 1

The User Interface component furnishes the graphical interface for the FloraFusion Market. It incorporates elements such as plants, carts, wish lists, and buttons, offering the essential visual and interactive components for users to seamlessly interact with the system.

This functionality empowers customers to browse available plants, add items to their wish list, place them in the cart, and proceed to checkout. For sellers, the interface facilitates the addition, updating, and deletion of plants, along with the management of orders and the generation of sales reports. On the administrative side, the interface provides oversight capabilities for user management.

## Component Description 2

This Business Logic Component serves as the core processing unit within the system, housing the essential logic for handling user requests and overseeing the manipulation of the system data. This encompasses crucial CRUD (Create, Read, Update, Delete) functionalities, allowing for the addition, modification and removal of data within the system.

This component acts as the computational brain of the application. This is where the decision-making process happens.

## Component Description 3

The Database Component is the backbone of the system, responsible for housing and managing the entire data infrastructure. It functions as the repository for crucial information such as user details, product records, order information, and transactional data. Through this component, the system efficiently organizes, stores, and retrieves data, ensuring the persistence and reliability of critical information. Its role extends beyond mere storage, as it facilitates seamless data retrieval and manipulation, playing a pivotal role in maintaining the integrity and responsiveness of the overall application.

# Human Interface Design

## Overview of User Interface

The user interface aims to have a user-friendly interactive design, providing a seamless way for users to buy and sell plants. The user interface includes customer, seller, and admin sides, each with distinct functionalities.

For the customer, the user interface enables them to browse plants freely and add them to the cart in any manner they prefer. Additionally, they have the option to add plants to their Wishlist for future reference.

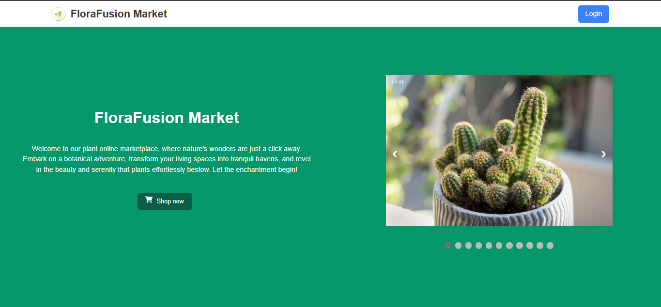
For the seller, the user interface provides access to manage plants, including the ability to add, update, and delete them. Additionally, sellers can generate sales reports and have access to either deliver or view orders.

For the administrative aspects, the user interface provides access to system management functions. This includes managing users, viewing monthly sales reports, and overseeing the overall availability of plants.

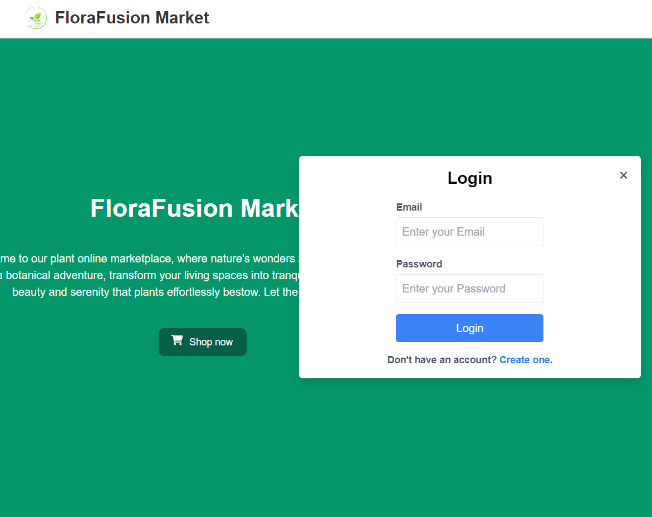
Overall, the user interface of Flora Fusion Market is designed to be user friendly, that is on

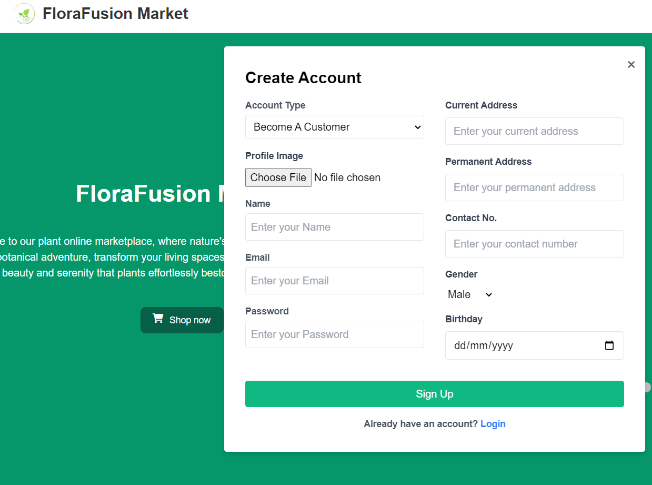
## Screen Images

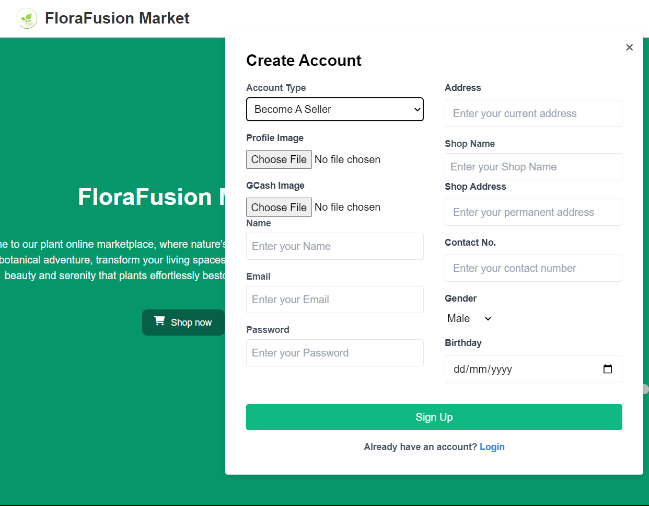
**Landing Page Interface**



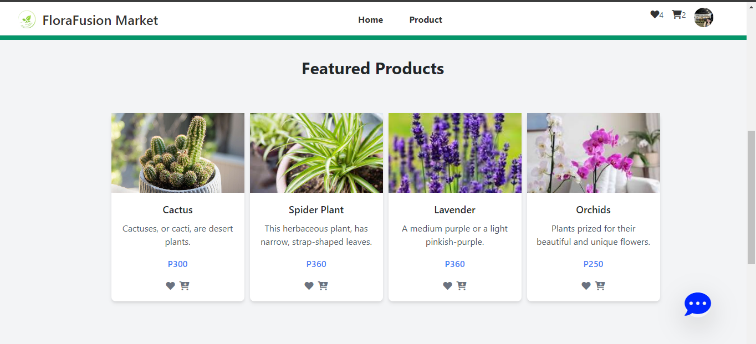
**Login and Register Interface –** this is where the users will log in and register to our system



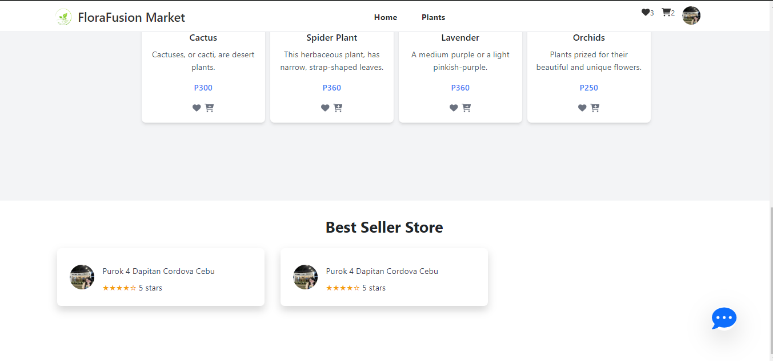




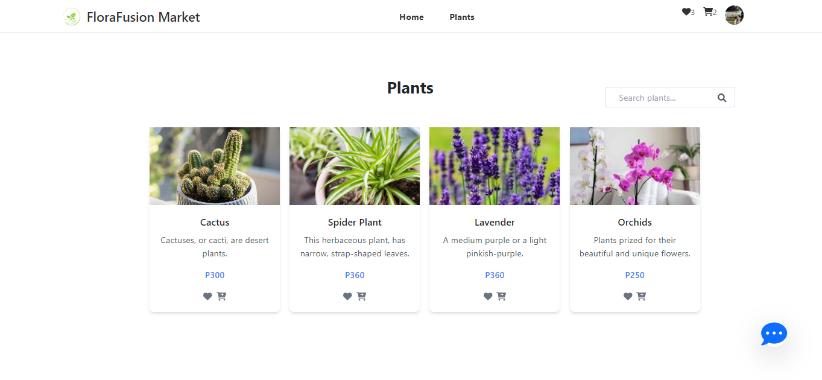
**Featured Products** – this is where the other products being features.



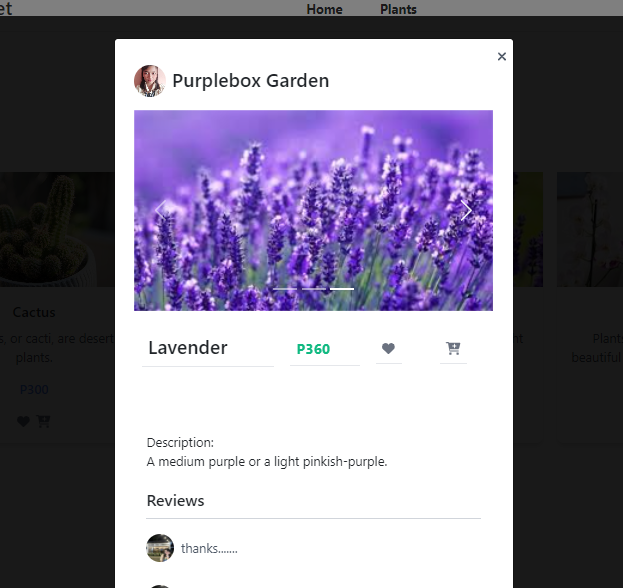
Best Selling Stores – this is where the top-rated users being listed.



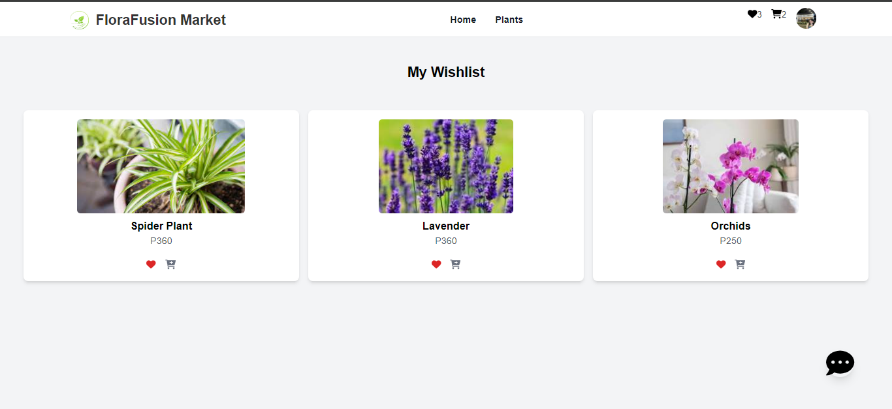
**Plants Listing** – this is where the user can browse the available plants.



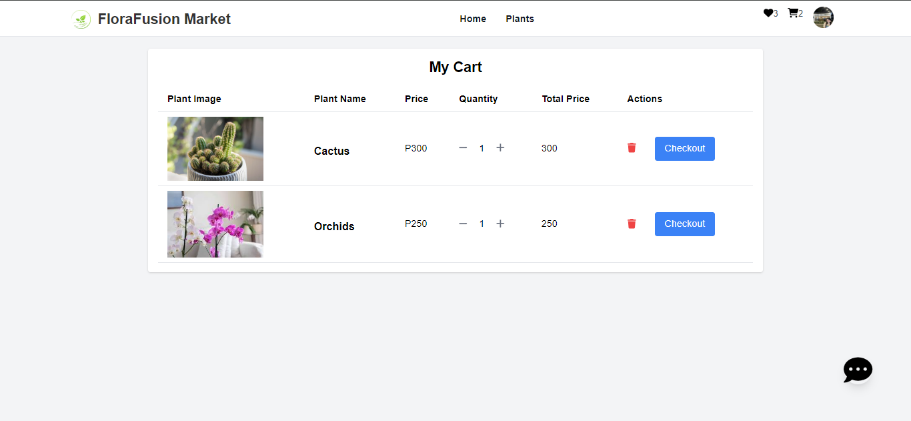
**Plants Details** – this is where the plants details or the overview.



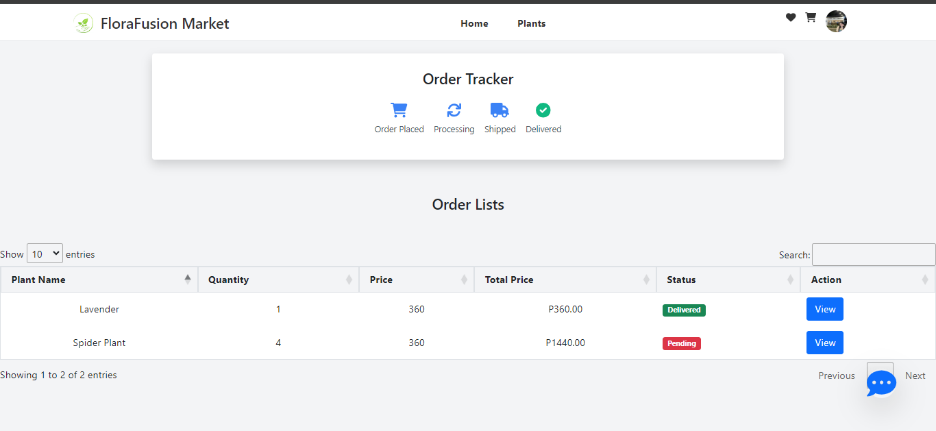
My Wishlist – this is where the Wishlist of each user being displayed.



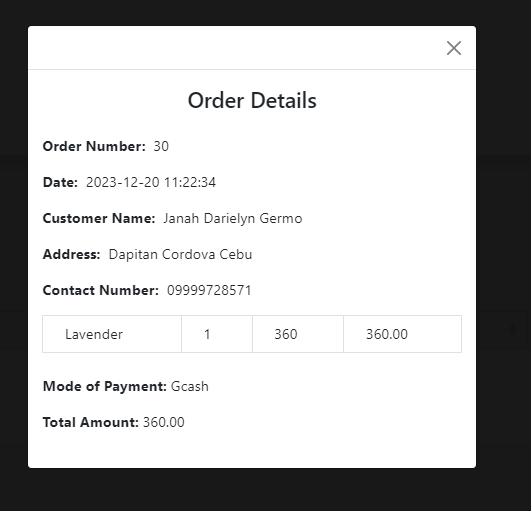
My Cart – this is where list of plants.



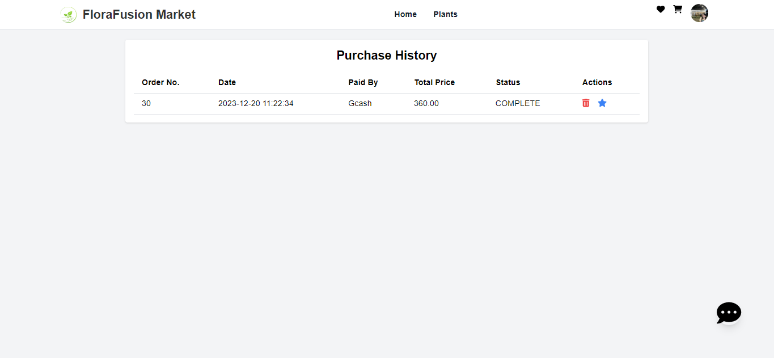
Order Tracker – this is where list of orders being displayed.



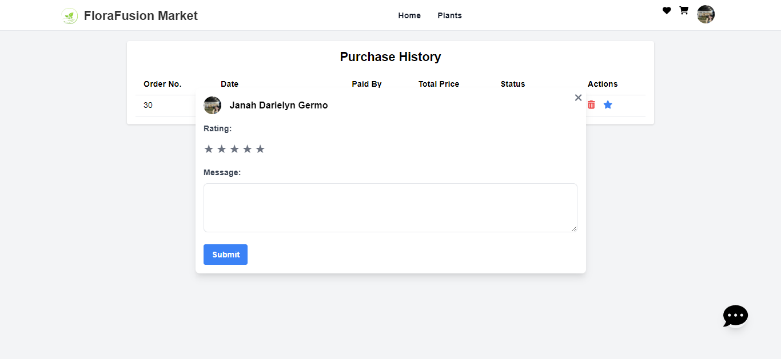
Order Details – this is where the order details being displayed.



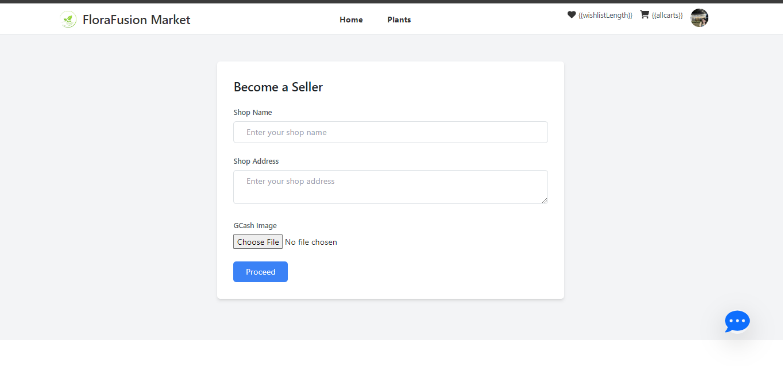
Purchase History – this is where the list of purchases being displayed.



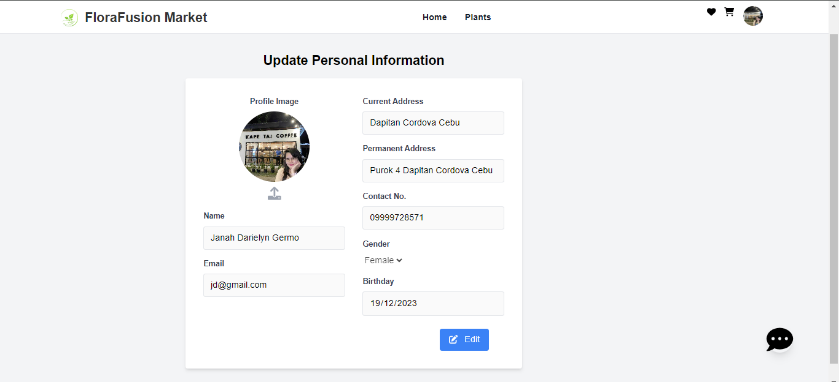
Seller Ratings – a form modal to let the customer rate the seller.



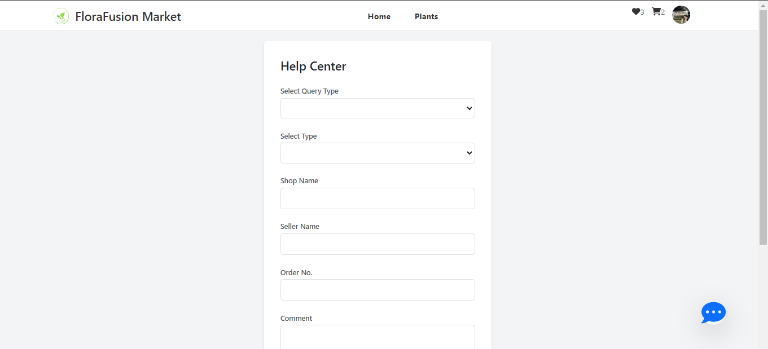
Become Seller – a form to let the customer apply to become a seller.

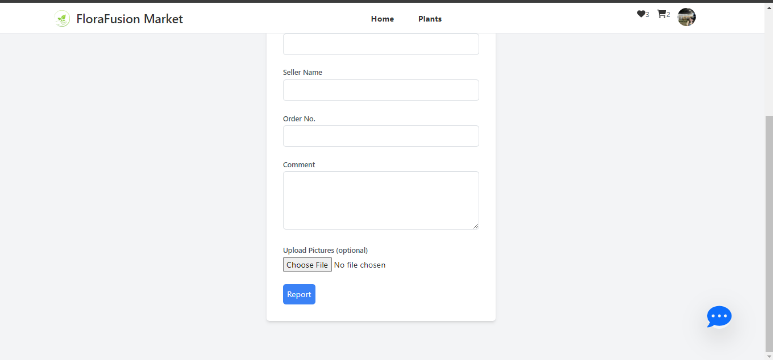


Update Personal Information – a form to let the user update his/her basic account details.

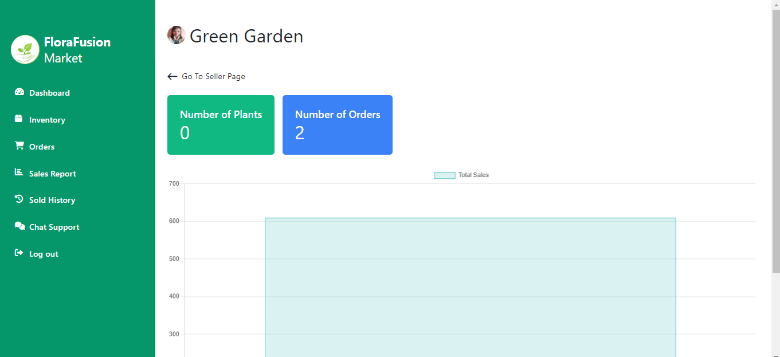


Help Center – a form to let the user provide there feedbacks, complaints, and inquiries.

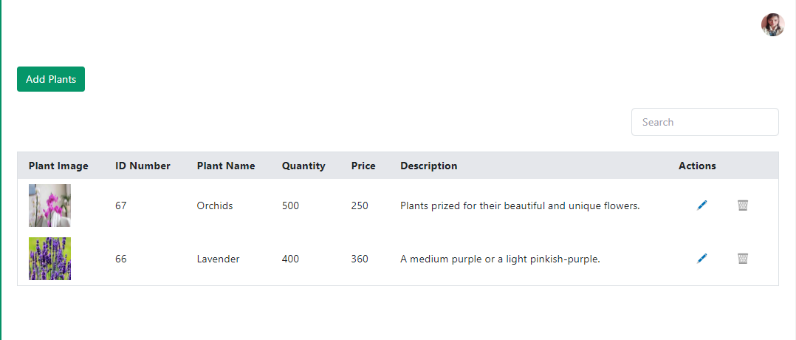




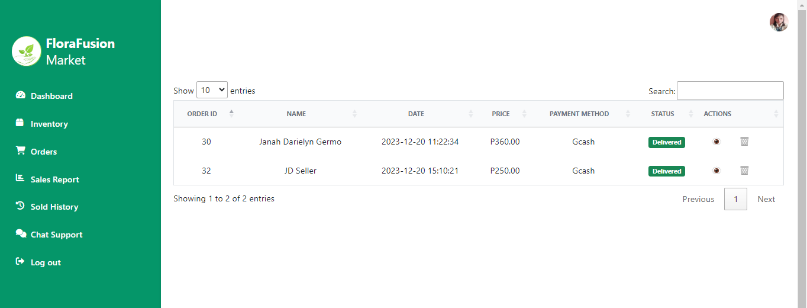
Seller Dashboard – this page contains overview and chart data.



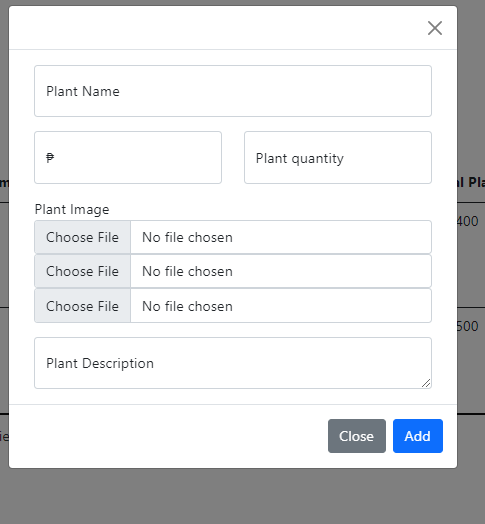
Seller Inventory – This is where the seller can add, update, display, and delete the product plants.



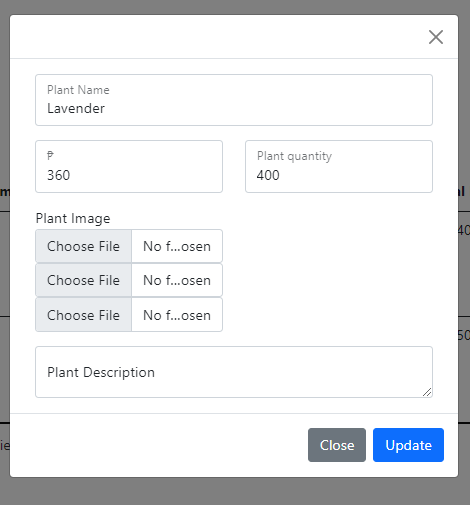
Seller Orders – This is where the seller can track the on-going orders from the customer.



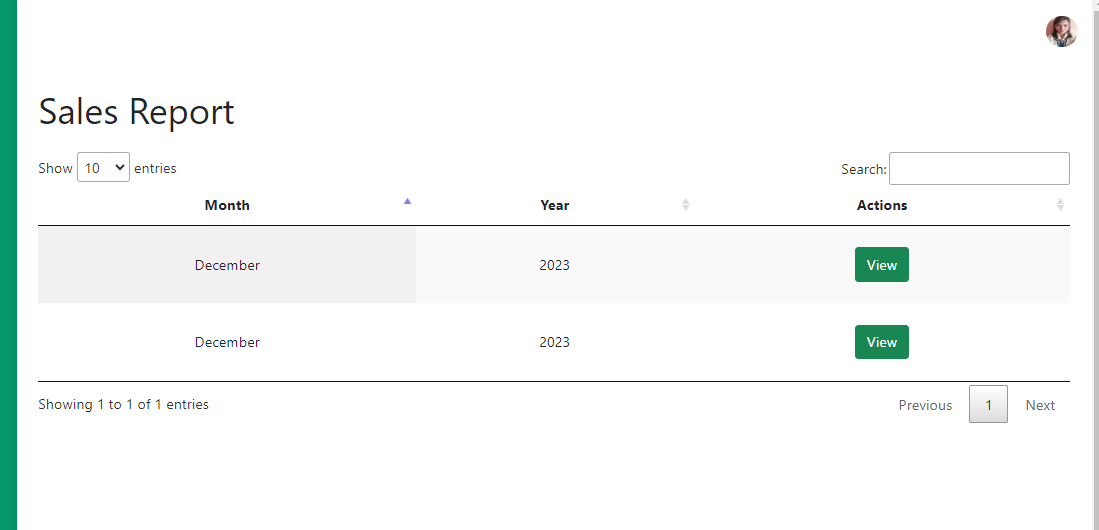
Add Plant Modal – This is where the seller can add a new list of plant.



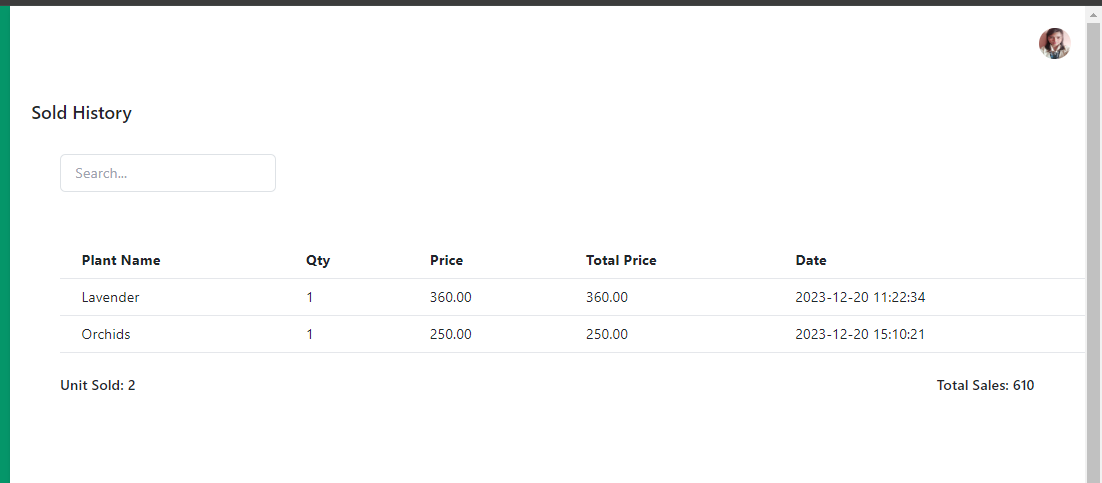
Update Plant Modal – This is where the seller can update the plant.



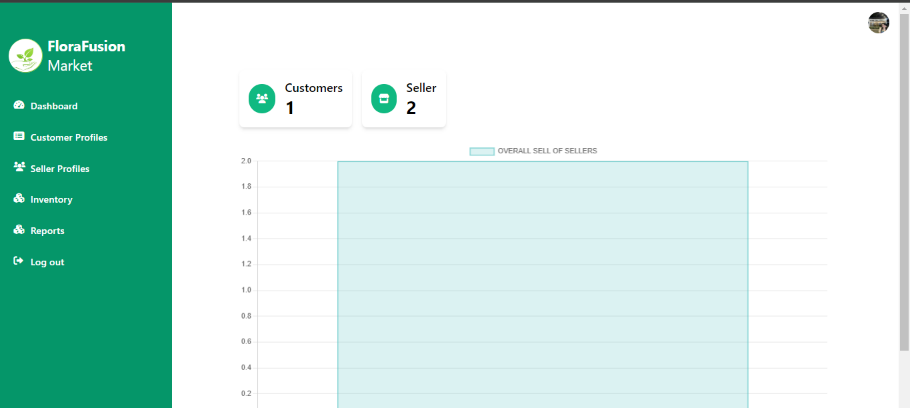
Sales Report – A table of data that contains seller sales report.



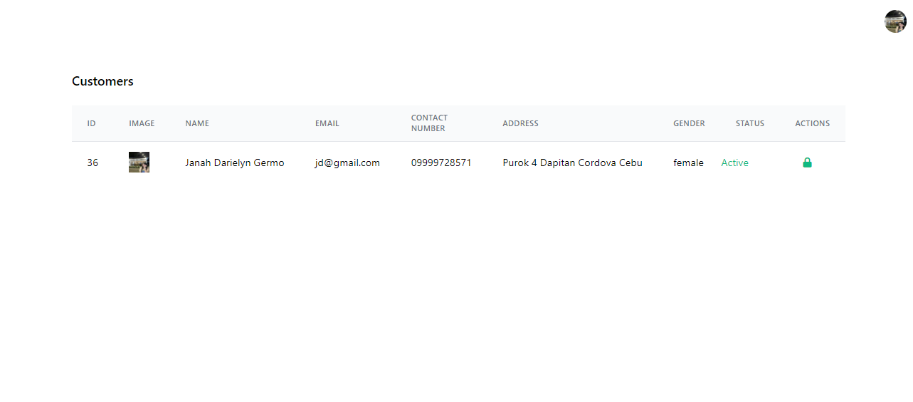
Sold History – List of sold history



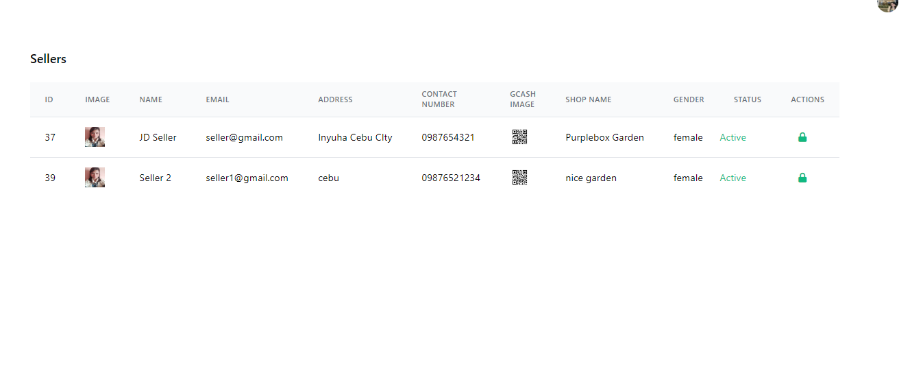
Admin Dashboard – Contains data overview and chat.



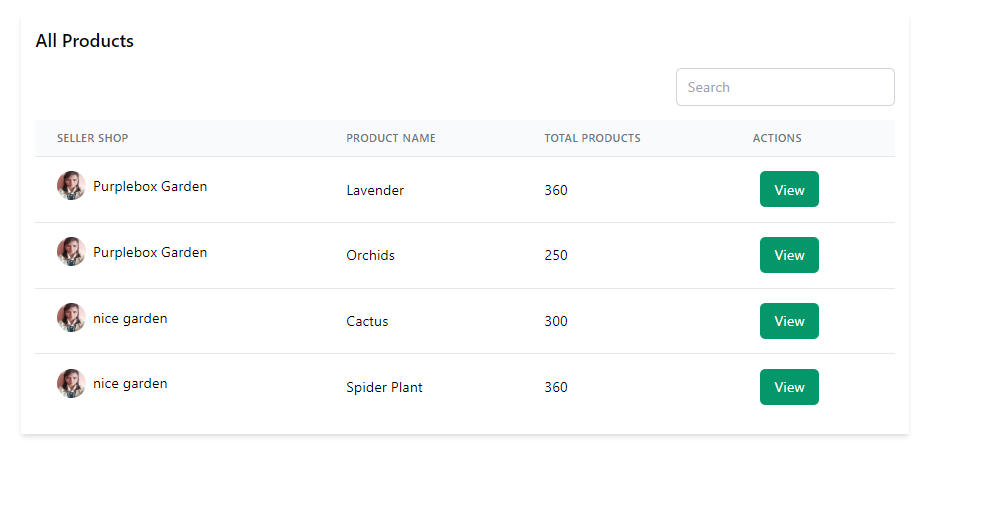
Admin Customer Profiles – List of customers data.

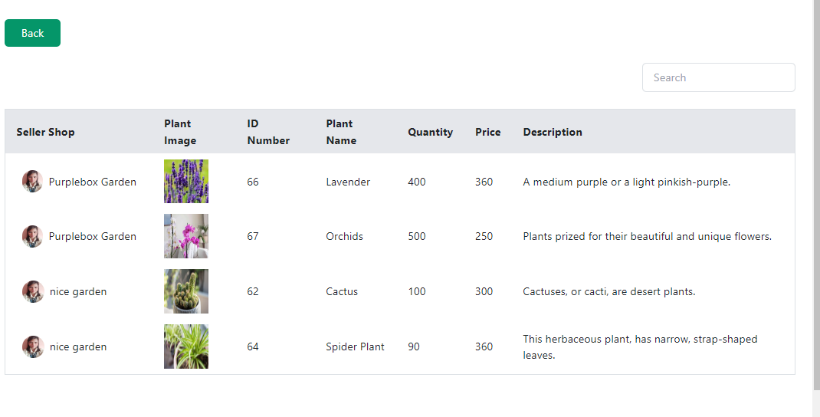


Admin Seller Profiles – List of seller’s data.

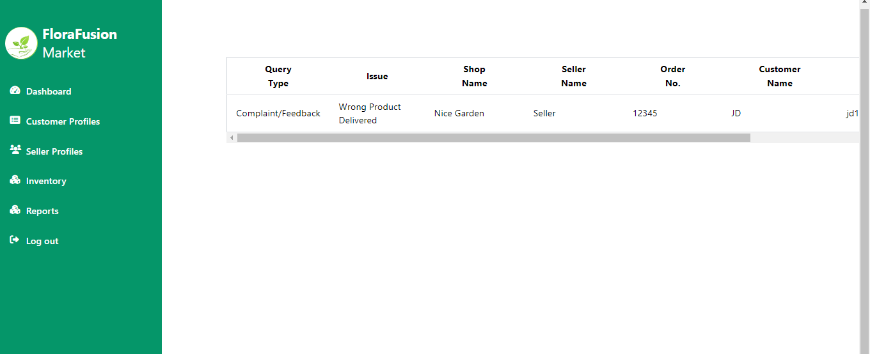


Admin Plant Inventory – List of all seller products.

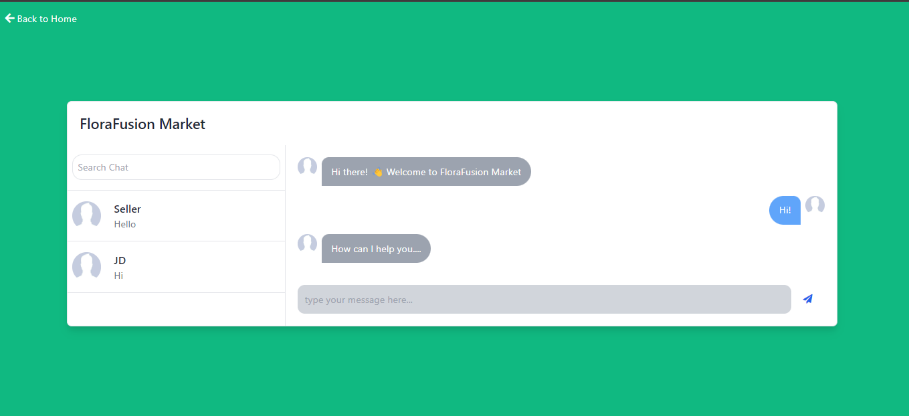




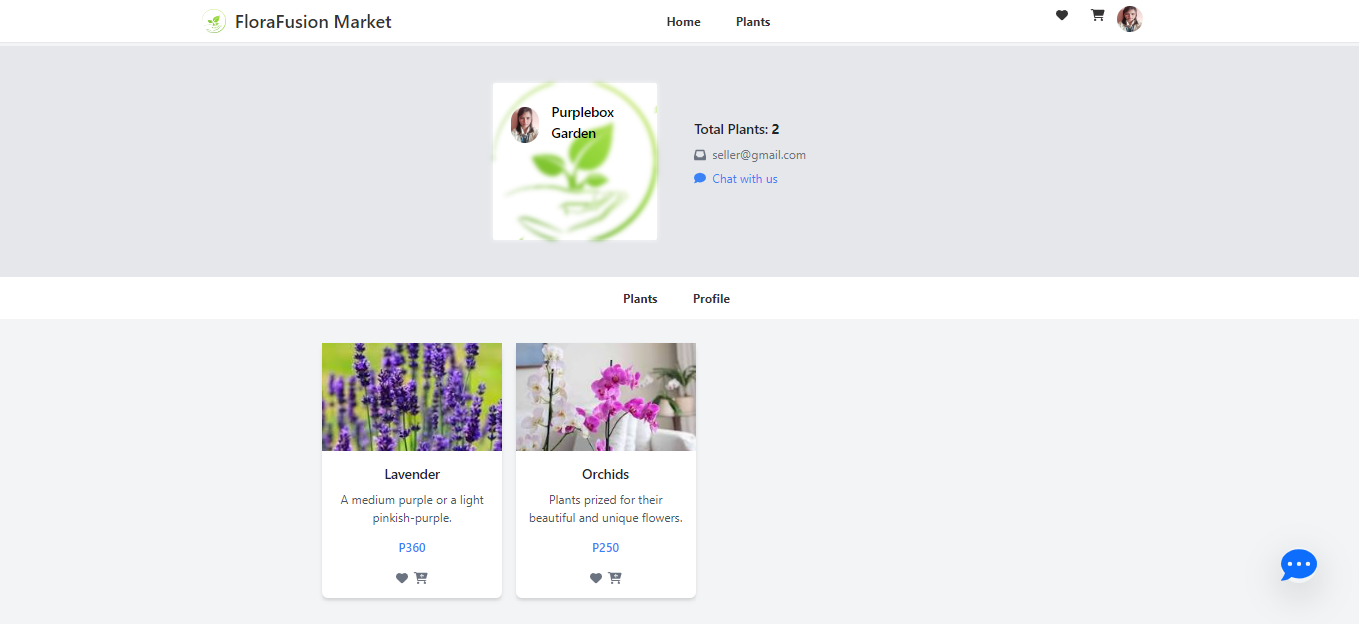
Admin Reports – List of all the reports from the user side.



Chat – A chat system where the customer and seller interact to each other.



Seller Profile – this is where the customer can view the seller details and listing.



## 6.3 Screen Objects and Actions

# Requirement Matrix

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Requirement ID | Requirement Description | Priority | Use Case | Component | Test Case |
| Req - 001 | Users can sign up and log in to their account using their credentials | High | UC - 00 | Authentication | TC - 00 |
| Req – 02 | Users can explore plants | High | UC - 00 | Browse | TC - 00 |
| Req – 03 |  |  | UC - 00 |  | TC - 00 |
| Req – 04 |  |  | UC - 00 |  | TC - 00 |
| Req – 05 |  |  | UC - 00 |  | TC - 00 |
| Req – 06 |  |  | UC - 00 |  | TC - 00 |
| Req – 07 |  |  | UC - 00 |  | TC - 00 |
| Req – 08 |  |  | UC - 00 |  | TC - 00 |
| Req – 09 |  |  | UC - 00 |  | TC - 00 |

# Appendices



CORDOVA PUBLIC COLLEGE

COLLEGE OF COMPUTER STUDIES

Software Test Document

for

FloraFusion Market

CPC-BSIT-CAPSTONE-SPMP-1ST SEM 2022-2023

Janah Darielyn P. Germo

April A. Tabornal

Jeffrey Igot

Signature

Change History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 9/07/23 | 2.0 | Changing the following features:   1. The Review feature in the user side must be seen in the seller side 2. The “Delete Account” should be removed because if the user no longer wanted to use his/her account, he won’t be logging in into it. | Janah Darielyn Germo |

Preface

Table of Contents

List of Figures

List of Tables

# Introduction

## Purpose

The purpose of this documentation is to document the evaluation of the application. Every test case in the application should be in accordance to the requirement specified in the Software Requirements Specification (SRS).

## Scope

Plan the document how to test, what is the strategies/method used with dealing with the test cases. And each feature of the application specified in the requirement will be tested.

## Definitions and Acronyms

# References

IEEE Std 610 12-1990 IEEE Standard

# Test Plan

## 3.1 Overview

This document will serve as a guide for the testing activity of the web application project. The Project is FloraFusion Market Web Application, this is where the users purchase plants, sellers to manage inventory and admin to manage both users and sellers.

## 3.2 Introduction

This desktop application that runs on any desktop computer that is connected to the server where the RDMS is located. This system is a web-based system that runs on a server and client communication in a network. This project is for the benefit of the admin.

## 3.3 Purpose

The purpose of test plan is to list the important features of the system that needs to test. This test plan document supports the following objectives:

* Ensure that the important features/function of the system run in accordance to the requirements
* To test the system
* To make the system and software run efficiently
* To find problems during running the system

## 3.4 Scope

The scope of testing is organized by requirements category such as user interface, usability, functionality of the system. The procedures for carrying out testing in terms of preparation of the test cases are explained.

## 3.5 Test Strategy

The following are the testing approach to achieve the testing purpose of the FloraFusion Market:

* Unit Testing
* Each module is being tested including the textboxes, input fields, grid views in the UI to ensure the parameter to pass in the database.
* Integration Testing
* This includes testing of the application that is used by the user to communication of the design user interface and the back-end database to ensure that the data pass to the database is correct or not.
* This includes the testing of applications that is to integrate module to module because some other modules are requirements of the other module.

# 4. Test Design Specification

## 4.1 Purpose

The purpose of Test Design Specification is to list of what features are to be tested in the system named

## 4.2 Outline

The following features are to be tested:

**Unit testing by module:**

1. Login Module
2. Login Form
3. Text Field – for the email
4. Text Field – for the password
5. Button Field – for login
6. Hyperlink – for create account

* The email and password text fields must be inputted and query if the email and password is found on the database of the system, this is for the security of the system.

1. Create Account Module
2. Create Account Form
3. Drop Down – for the role either Customer or Seller
4. File Attachment – for the photo
5. Input Field – for the name
6. Input Field – for the email
7. Input Field – for the password
8. Input Field – for the current address
9. Input Field – for the permanent address
10. Input Field – for the contact number
11. Drop Down – for the gender
12. Date Field – for the birthday
13. Button Field – for the sign up
14. Hyperlink – for the Login

* The email and password text fields must be inputted and check if the email and password is existing on the database, this is to ensure the security of the system.

1. Products Module
   1. Search Field – To search certain products
   2. Card – for the plants
      1. Heart Icon Button – To add product in the Wishlist
      2. Cart Icon Button – To add product in the cart
2. Wish List Module
   1. Heart Icon Button – To remove the product data in the Wishlist
3. Cart Module
   1. Plus, and Minus Icon Button – To update the quantity of the product
   2. Delete Icon Button – To remove the plant in the cart
   3. Checkout Button – To check out the order
4. Chat Module
   1. Search Field – to filter the name of the user contacts
   2. Input Field – to create a message to the desired recipient
   3. Send Button – to send the message to the recipient
5. Seller Module
   1. Seller Profile
6. Plants Tab Bar – to display the uploaded plants of the seller.
7. Profile Tab Bar – to display the details of the seller.
8. Chat icon – to create a conversation
   1. Seller Dashboard Module
      1. Analytics Report – to display the total number of plants and orders
      2. Chart – to display the monthly sales of the seller
   2. Seller Inventory Module
      1. Add button – for adding plants
      2. Update button – for updating the plant
      3. Delete button – for deleting the plant
      4. Text Fields – for the plant name
      5. Text Fields – for the price
      6. Text Fields – for the quantity
      7. File Attachment – for the picture
      8. Text Area – for the description
      9. Button – for closing the modal
      10. Button – for saving the changes

* The seller will do the addition of the plants using the description above. Also, with the deletion and the update of the plants.
  1. Seller Orders Module
     1. Table – shows the records of orders
     2. Search Field – filters plants
     3. View Button – for viewing the details of the order
     4. Delete Button – for deleting orders
  2. Seller Sales Report Module
     1. Table – shows the monthly records of the sales
     2. Add Button – for adding sales report
     3. Update Button – for updating sales report
     4. Delete Button – for deleting
     5. View Button – for viewing
     6. Search Field – for filtering
  3. Seller Sold History Module
     1. Table – shows the history of sold plants
     2. Search – filters

1. Admin Module
   1. Admin Dashboard Module
      1. Analytics – shows the numbers of sellers and customers
      2. Chart – shows the overall sales of all sellers
   2. Admin User Management Module
      1. Table – shows the records of all users in the system
   3. Admin Inventory Module
      1. Table – shows the overall plants of all sellers in the system

**Integration testing**

It is crucial to retest the module to ensure the seamless operation of integrated components.

# 5. Test Case Specification

## 5.1 Purpose

Test Case Specification is to determine and specify each module and the listed features to be tested if match to the requirements of the system.

## 5.2 Outline

**Unit Testing**

1. Login Module
2. Login Form

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Text Fields Empty | Error: Please fill out this field | Passed |
| Input field filled | Success | Passed |
| Invalid credentials | Error: Invalid credentials | Passed |

1. Create Account Module
   1. Create Account Form

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Text Fields Empty | Error: Please fill out this field | Passed |
| Input field filled | Success | Passed |

1. Plants Listing Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the heart icon button | Success: Successfully added to Wishlist | Passed |
| Click the cart icon button | Success: Successfully added to cart | Passed |

1. Plants Details Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Display Data | Success: Fetch Data correctly | Passed |
| Click heart icon button | Success: Successfully added to Wishlist | Passed |
| Click the cart icon button | Success: Successfully added to cart | Passed |

1. Wishlist Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the heart icon button | Success | Passed |

1. Cart Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click plus and minus icon button | Success | Passed |
| Click the delete icon button | Success | Passed |
| Click the checkout button | Success | Passed |

1. Seller Inventory Module
   1. Add Plants Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Text fields is/are empty then click the button add | Error: Fill up all the text fields | Passed |
| Text fields are not empty then click the button add | Success | Passed |

* 1. Update Plants Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Some of the Text fields is/are empty then click the save button | Error: Fill up all the text fields | Passed |
| All the text fields are not empty then click the save button | Success | Passed |

* 1. Delete Plants Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the delete button | Success | Passed |
|  |  |  |

1. Seller Orders Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the view icon | Success | Passed |
| Click the trash icon | Success | Passed |

1. Seller Sales Report Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the view button | Success | Passed |

1. Admin User Management Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the lock icon | Success | Passed |

1. Admin Plan Inventory Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the view button | Success | Passed |

1. Chat Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the input field | Sent message | Passed |

1. Seller Profile Module

|  |  |  |
| --- | --- | --- |
| **Test** | **Result** | **Remarks** |
| Click the chat icon | Will route to the chat | Success |
| Click the plants tab bar | Display seller plants | Passed |
| Click the profile tab bar | Display seller details | Passed |

**Integration Testing** involves integrating every module that is completed and retesting it to determine whether errors are found after the integration process.

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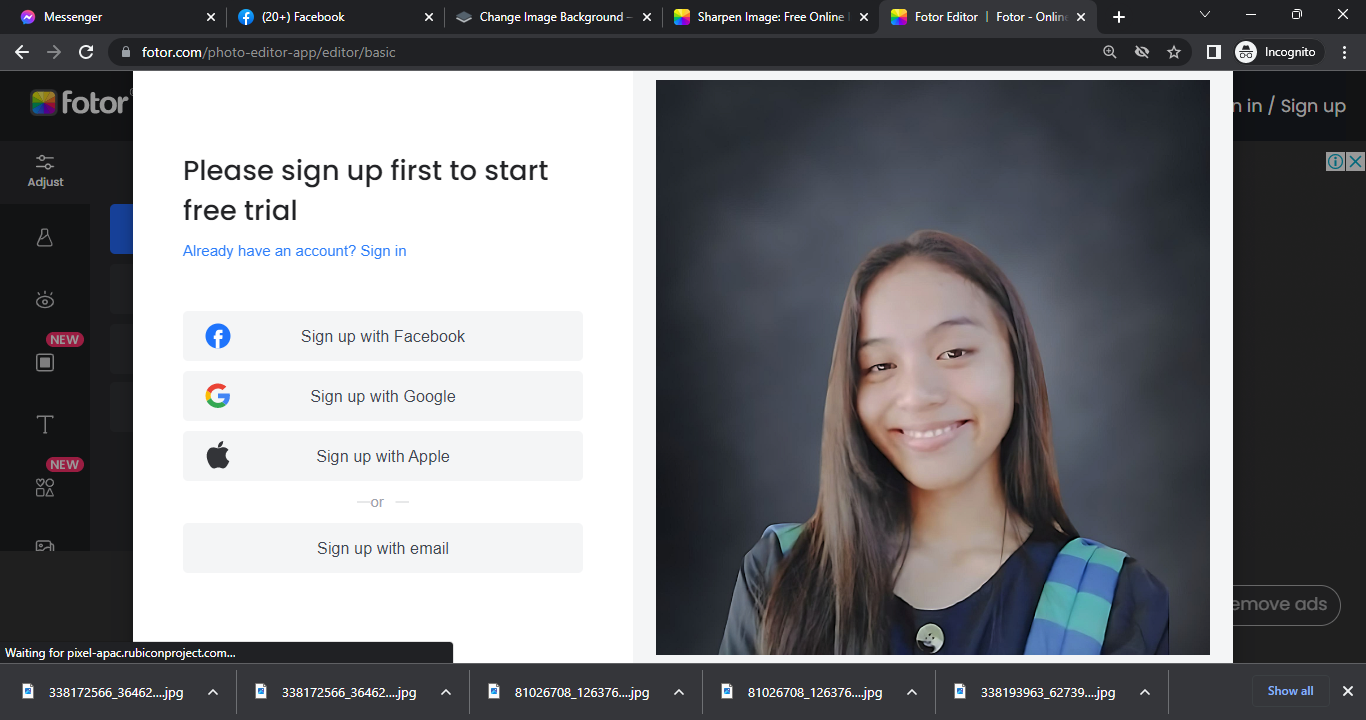
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