



UNIVERSITI  
TEKNOLOGI  
PETRONAS

**FACULTY OF SCIENCE AND INFORMATION TECHNOLOGY**  
**TFB1033 Object Oriented Programming**  
**MAY 2024**

**Group Name : Floral Fusion**

**Lecturer : Dr. Nordin bin Zakaria**

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## 1.0 Project Description

Floral Fusion is a forward-thinking platform designed to support small floral businesses in thriving within the competitive digital marketplace. This project addresses the challenges faced by florists, such as managing peak-time customer influx, reaching a broader audience, and overcoming the limitations of fixed operating hours. By providing an intuitive and accessible platform, Florist Fusion empowers florists to enhance their digital presence and streamline their operations while maintaining their creative artistry. The platform includes features like customizable flower arrangements, a categorized product catalog with advanced filtering options, and the ability for customers to include personalized messages and greeting cards with their orders. Additionally, an efficient admin order management system ensures seamless processing and tracking of orders. Florist Fusion aims to eliminate technical barriers, foster innovation, and enable small floral businesses to focus on their craft, all while delivering an enhanced shopping experience for customers.

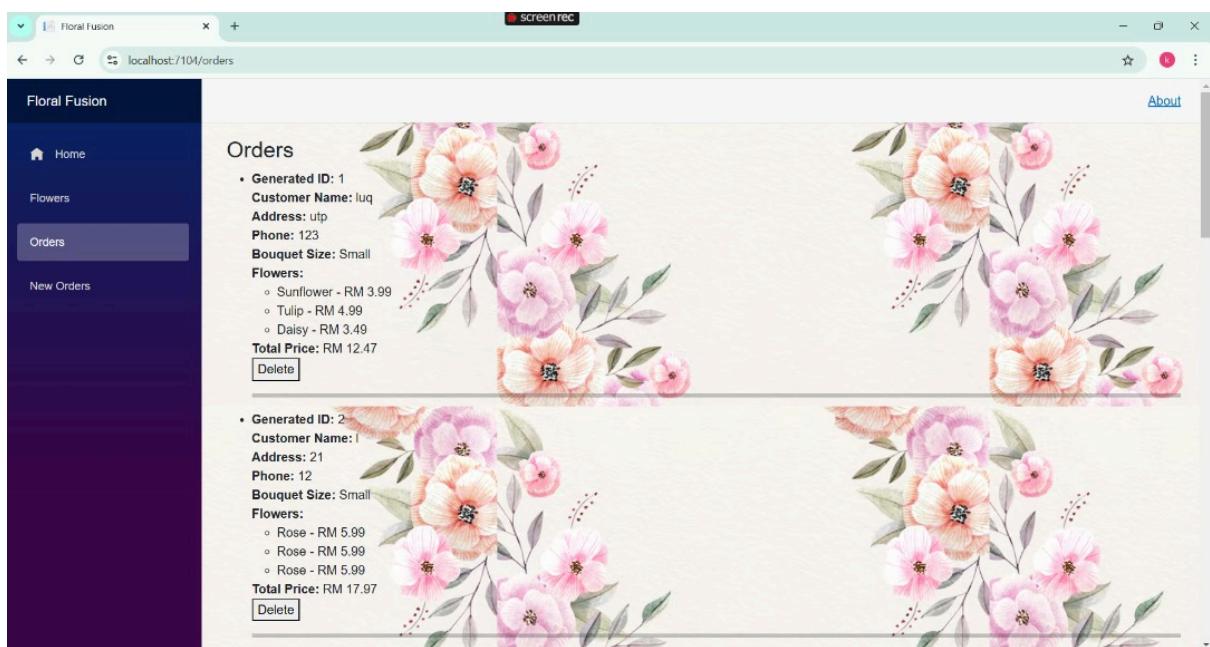
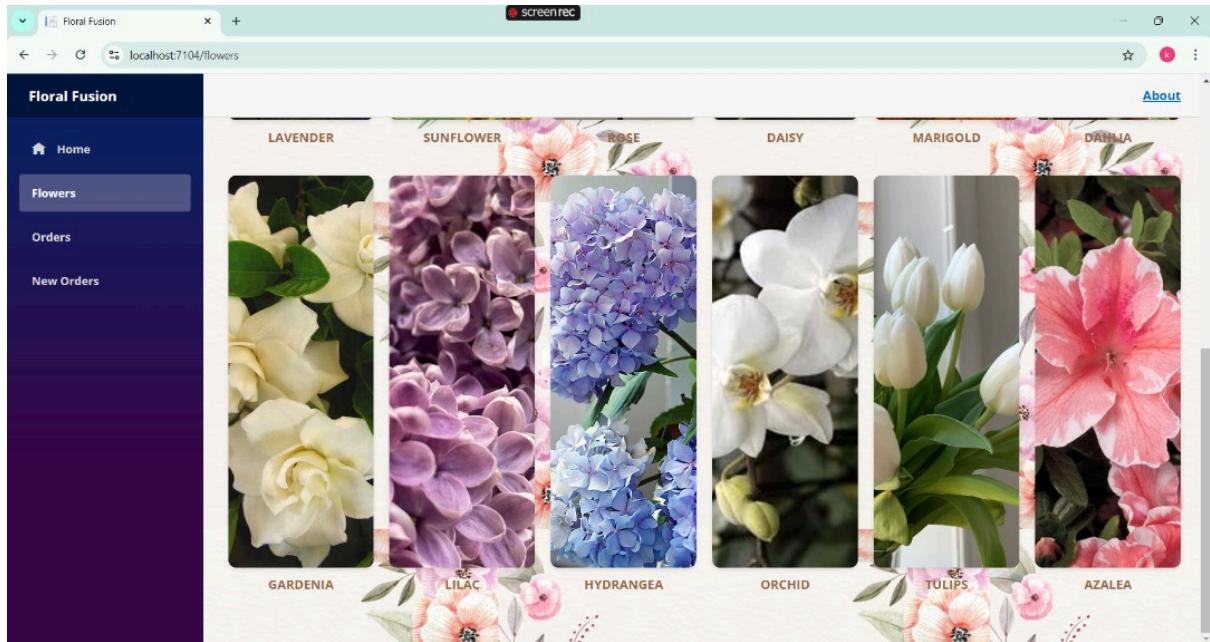
Our aim is to build a dynamic platform designed to support small floral businesses by offering advanced bouquet customization features. Our project aims to create a seamless and engaging experience for both vendors and customers, allowing for the creation of personalized flower arrangements that cater to individual tastes and occasions. Small business owners will benefit from a robust set of tools that streamline the design process, manage orders efficiently, and enhance their customer service capabilities.

The platform is crafted to empower small floral businesses by equipping them with the tools needed to thrive in the digital age. By offering an intuitive and accessible interface, we aim to simplify the process for independent florists, allowing them to concentrate on their artistry and customer connections. Our mission is to create a dynamic environment where small floral businesses can flourish, drive innovation, and strengthen customer relationships, all while maintaining the unique personal touch and creative flair that distinguishes them in the floral industry.

## 2.0 Screenshots

The screenshot shows the Admin Dashboard for 'Floral Fusion'. The top navigation bar includes a logo, a search bar, and links for Home, Flowers, Orders, and New Orders. The main content area features a large title 'Admin Dashboard' and a welcome message: 'Welcome to the admin panel. From here, you can manage order history and other administrative tasks effectively.' Below this is a section titled 'About Us' with a paragraph of text and a small image of flowers. A sidebar on the left contains a 'Flowers' category with sub-options: LAVENDER, SUNFLOWER, ROSE, DAISY, MARIGOLD, and DAHLIA. At the bottom, there's a support link: 'Need assistance? Contact the support team at [support@adminpanel.com](mailto:support@adminpanel.com)'.

The screenshot shows the 'Flowers' page from the 'Floral Fusion' website. The top navigation bar includes a logo, a search bar, and links for Home, Flowers, Orders, and New Orders. The main content area features a title 'Floral Fusion' and a grid of six flower images: LAVENDER, SUNFLOWER, ROSE, DAISY, MARIGOLD, and DAHLIA. Each flower image has its name labeled below it. The sidebar on the left contains a 'Flowers' category with sub-options: LAVENDER, SUNFLOWER, ROSE, DAISY, MARIGOLD, and DAHLIA.



Floral Fusion

localhost:7104/orders

About

Home

Flowers

Orders

New Orders

Generated ID: 7  
Customer Name: Iuq  
Address: 1234  
Phone: 1234  
Bouquet Size: Small  
Flowers:  
• Tulip - RM 4.99  
• Sunflower - RM 3.99  
• Rose - RM 5.99  
Total Price: RM 14.97  
[Delete](#)

Generated ID: 8  
Customer Name: Camel  
Address: Arab  
Phone: 013654321  
Bouquet Size: Large  
Flowers:  
• Rose - RM 5.99  
• Tulip - RM 4.99  
• Sunflower - RM 3.99  
• Lily - RM 6.99  
• Daisy - RM 3.49  
• Orchid - RM 8.99  
• Carnation - RM 4.49  
• Peony - RM 7.99  
• Gladiolus - RM 6.49



Floral Fusion

localhost:7104/new-order

About

Home

Flowers

Orders

New Orders

CREATE A NEW ORDER

Name:

Address:

Phone:

Select Bouquet Size

Small (3 flowers)

Medium (5 flowers)

Large (10 flowers)  

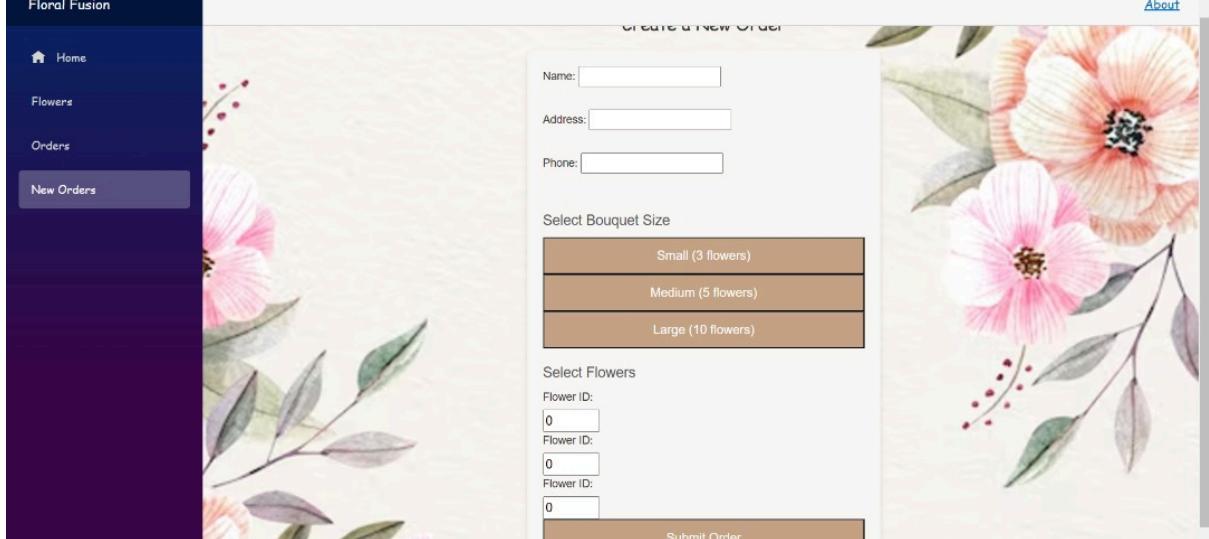
Select Flowers

Flower ID:

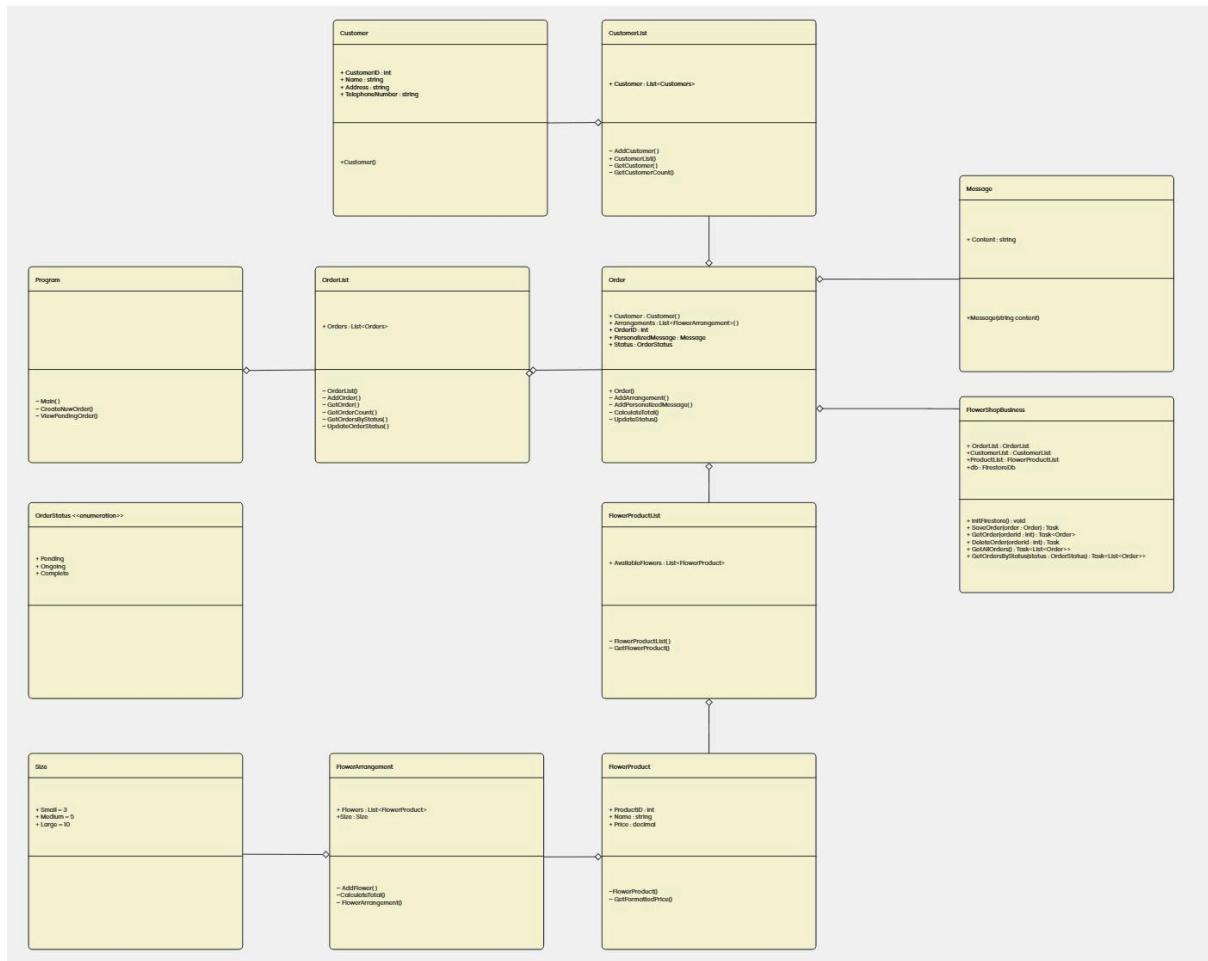
Flower ID:

Flower ID:

[Submit Order](#)



## 3.0 UML



#### 4.0 Evaluation of Platform (Blazor)

Blazor is a modern web development framework by Microsoft that enables the creation of interactive and dynamic web applications using C#. For Florist Fusion, Blazor provides a robust foundation for building a platform that balances performance with flexibility.

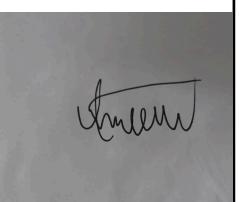
In our opinion, there are ups and downs to the Blazor web application. Firstly, the Blazor is great in doing Object Oriented Programming in C# since we can integrate our Class Library into our website and it introduces us to new web development. It helps us with seamlessly integrating our C# class libraries into the web projects, facilitating code reuse and adhering to principles of modular and clean code design. For a website like Floral Fusion, that involves functionalities like order management and customer customization options, Blazor's OOP capabilities provide a reliable backbone.

As for the downside of blazor, since we use firebase as our database, it is not too beginner-friendly especially when handling the saving and viewing the data in our database. This is because there are lots of built-classes and built-in methods that we must use in order to make our firebase able to connect smoothly to our C# coding. This shows that the programmers need ample time to ensure they can successfully use blazor smoothly when handling the functions and the database of their website, especially when we compare to javascript and php which may need less time to learn them as they are more mainstream and have many sources to learn and work with.

## 5.0 Team Contribution Statement

Team Name : Floral Fusion

Github : <https://github.com/Kolek88/SubmissionFloralFusion>

Name	ID	Task/Classes/Method	Signature
Amiera Batrisyia Binti Zulkainain	22010027	OrderStatus.cs	
Amirul Adam bin Hanin	22010257	OrderStatus.cs	
Luqman Hakim bin Ifnu Hakim	22010054	Report, FlowerArrangements.cs, FlowerProduct.cs, FlowerProductList.cs, Customer.cs, CustomerList.cs, Size.cs, UML, Screen Record, CSS	
Luqman Nur Hakim bin Ahmad Fadzil	22010227	Report, UML, HTML & CSS (Flower.razor, Index.razor, NewOrder, Order), Customer.cs, CustomerList.cs, Message.cs	
Muhammad Al Khaliq Bin Baba	22010093	Report, Firebase, OrderServices.cs, ClassLibrary, Blazor Functions(Pages, Services,Program.cs), Screenshot	

Muhammad Khairin Haziq bin Abdul Halim	22010212	CSS(Flower.razor)	
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I, **Muhammad Al Khaliq Bin Baba (22010093)**, the leader/rep for **Floral Fusion** hereby declare that the information provided is true and correct. I also understand that any willful dishonesty or cover up may render the group submission invalid.



Signature:

Date: 21/11/2024