

The background is a light cream color with several horizontal brown lines. It is decorated with various bread and pastry illustrations. In the top left is a large round pie with a woven lattice crust and a purple filling. To its right is a smaller round pie with a similar lattice crust. In the top right corner are several slices of bread and a small croissant. On the right side, there is a bowl of white powder with a wooden spoon and a small croissant. In the bottom left corner is a large, golden-brown braided loaf. In the bottom center is a small, round, golden-brown loaf. In the bottom right corner is a large, round, golden-brown loaf with a woven lattice crust. The main title is centered in a large, bold, brown serif font.

The Breadboard Bakery

SYD366NEE Group Assignment

Group 4


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Introduction



Tasks:

- Design a customer-facing website for Victoria's Breadboard Bakery.
 - Add a "Create User Account" feature to the website.
 - Add a "Place an Order" feature to the website.
 - Create a Class diagram with the required classes.
 - Create mockups of interfaces for both new features.
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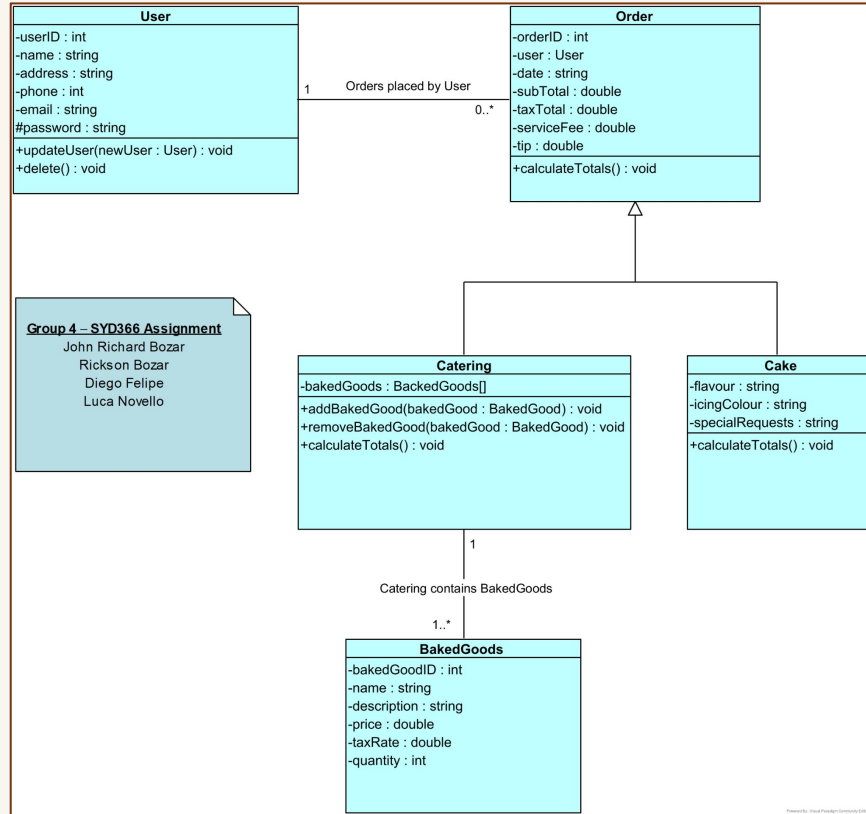


01

Class Diagram



Class Diagram



Controller Class Diagram



UIController

```
+requestToCreateUser() : void  
+createAccount(name, address, phone, email) : User  
+addPassword(password, confirmedPassword) : void  
+requestToPlaceOrder() : void  
+createOrder(orderType) : Order  
+addInformation(flavour, icingColour, specialRequest) : void  
+addInformation(BakedGoodID, quantity) : void  
+login(email, password) : User  
+deliveryInformation(date, address, billingInformation) : void  
+addOrderInformation(name, phone, email, date, address, billInfo) : Order
```



DomainController

```
+createAccount(name, address, phone, email) : void  
+getUser(userID) : User  
+addPassword(password) : void  
+createOrder(orderType) : void  
+getOrder(orderID) : Order  
+getLastOrder(userID) : Order  
+addInformation(flavour, icingColour, specialRequest) : void  
+addInformation(bakedGoodID, quantity) : void  
+addOrderInformation(name, phone, email, date, address, billInfo) : void  
+login(email, password) : User  
+validate(orderType) : boolean  
+validate(password, confirmedPassword) : boolean  
+validate(name, address, phone, email) : boolean  
+validate(flavour, icingColour, specialRequest) : boolean  
+validate(date, address, billingInformation)
```



EntityManager

```
+createUser(name, address, phone, email) : User  
+updateUser(name, address, phone, email) : User  
+createOrder() : Order  
+updateOrder(orderType, information) : Order
```

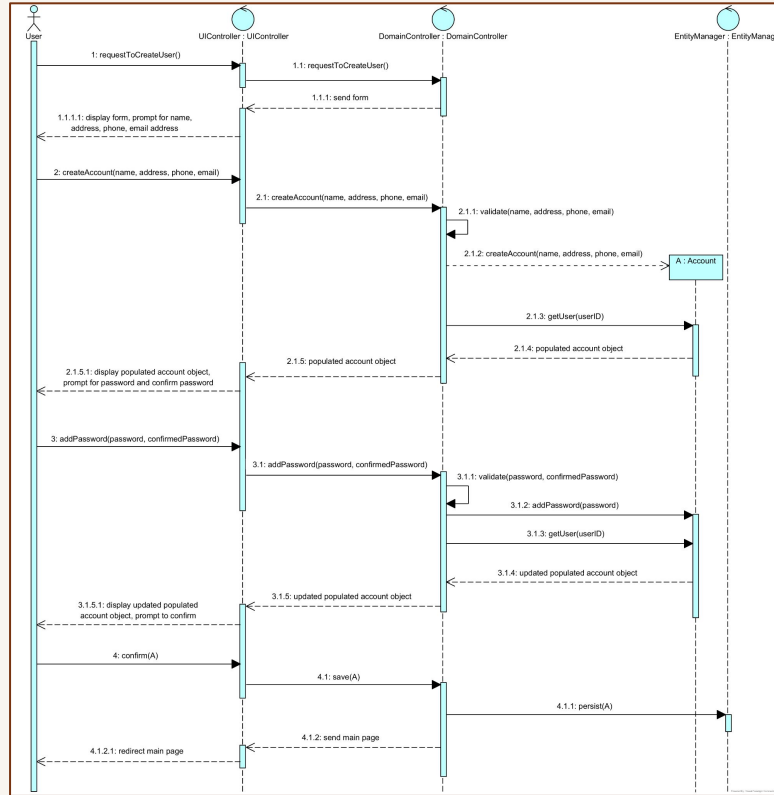


02


Create User Account



Sequence Diagram: Create User Account



Mockup: Create User Account



— CREATE NEW ACCOUNT —

First Name	Family Name
Country	City
Email	
Login	
Password	

☐ I agree to the Terms of Services and Privacy Policy

Sign Up



03

Place an Order



Mockup: Place an Order

BreadBoard
Bakery



Place An Order



BreadBoard
Bakery

PRODUCTS

Cakes

0 ▾

\$ xx.xx

Cookies

0 ▾

\$ xx.xx

Bread

0 ▾

\$ xx.xx

Other

0 ▾

\$ xx.xx

Purchase Details

Product

Quantity

Price

text

x

xx.xx

text

x

xx.xx



Total:

\$ xx.xx

Taxes:

\$ xx.xx

Tip:

15% ▾

Final Price: \$ xx.xx

Place Order



04

Additional Functionality



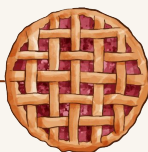
Additional Functionality

Gift Cards



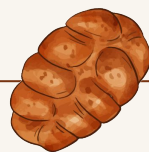
The gift card feature allows customers to purchase gift cards for any occasion. It's designed to be simple and user-friendly, encouraging more sales while spreading brand awareness and customer retention for the bakery.

Reward Points



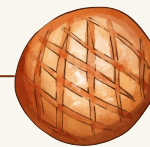
This feature lets customers earn points from their purchases, which helps both the customer and the owner. It makes customers more likely to return, and it helps the owner see which customers buy regularly.

Discounts



Introduce a discount system that allows customers to receive discounts based on specific conditions or promotions. This feature will enhance customer satisfaction and encourage repeat purchases.

Repeat Order



Allows the customer to place a new order with the same items from their last order. This can be useful for customers that make repeat orders and could help users streamline the customer order process.