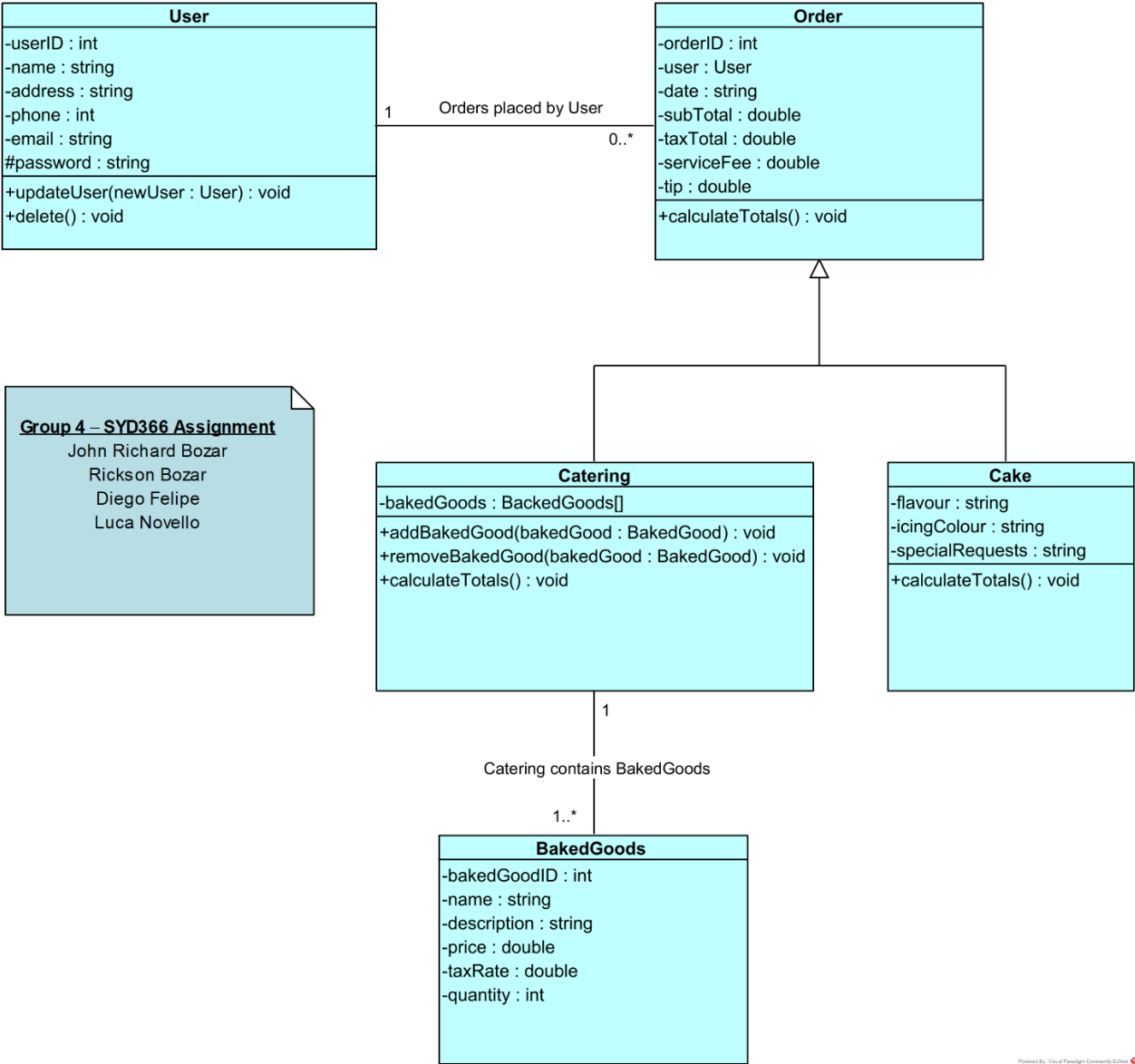


# SYD366 Assignment – Group Component

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## Class Diagram:



### Group 4 – SYD366 Assignment

John Richard Bozar  
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## Controller Classes:

**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

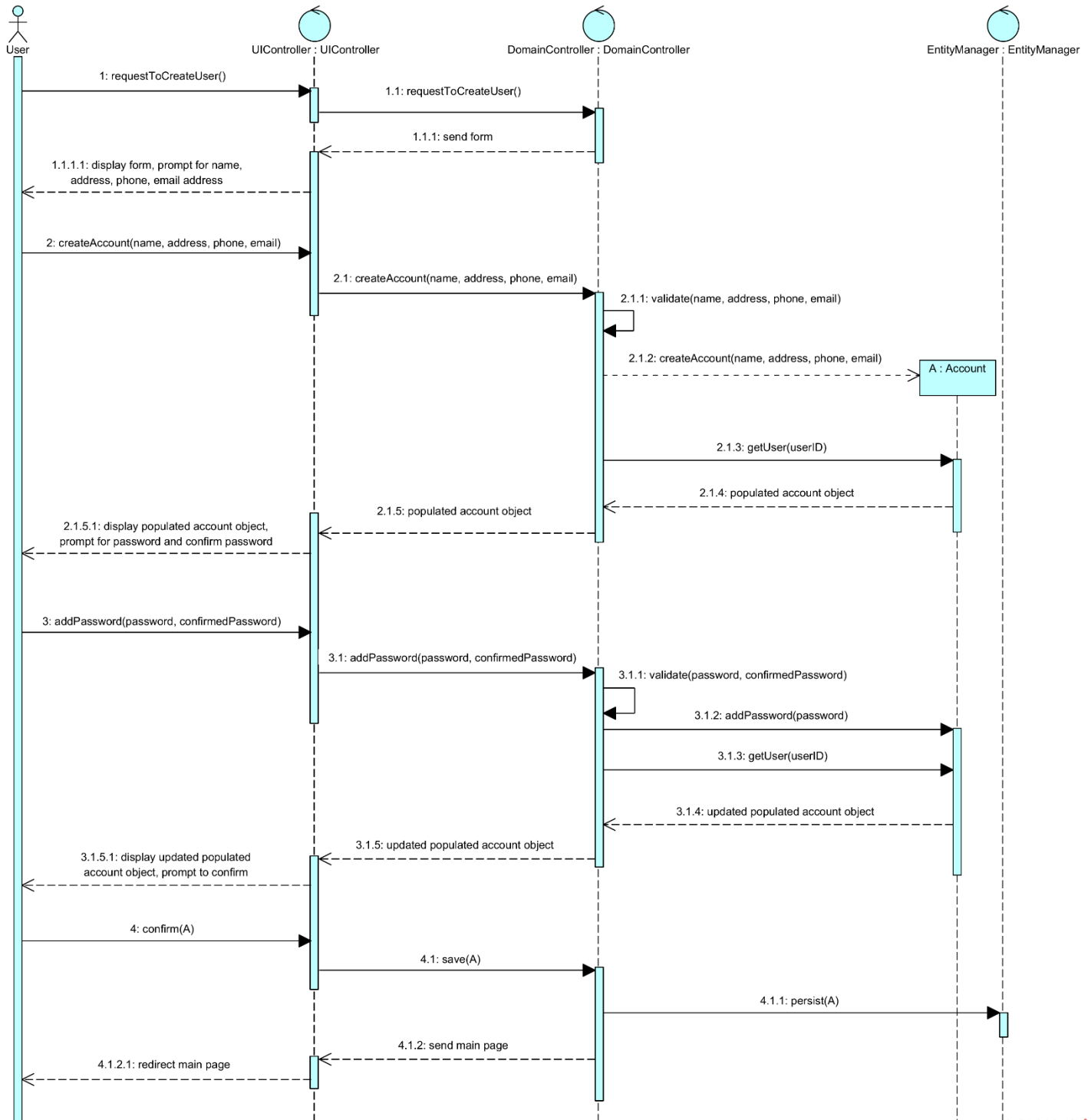
**DomainController**

- +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)

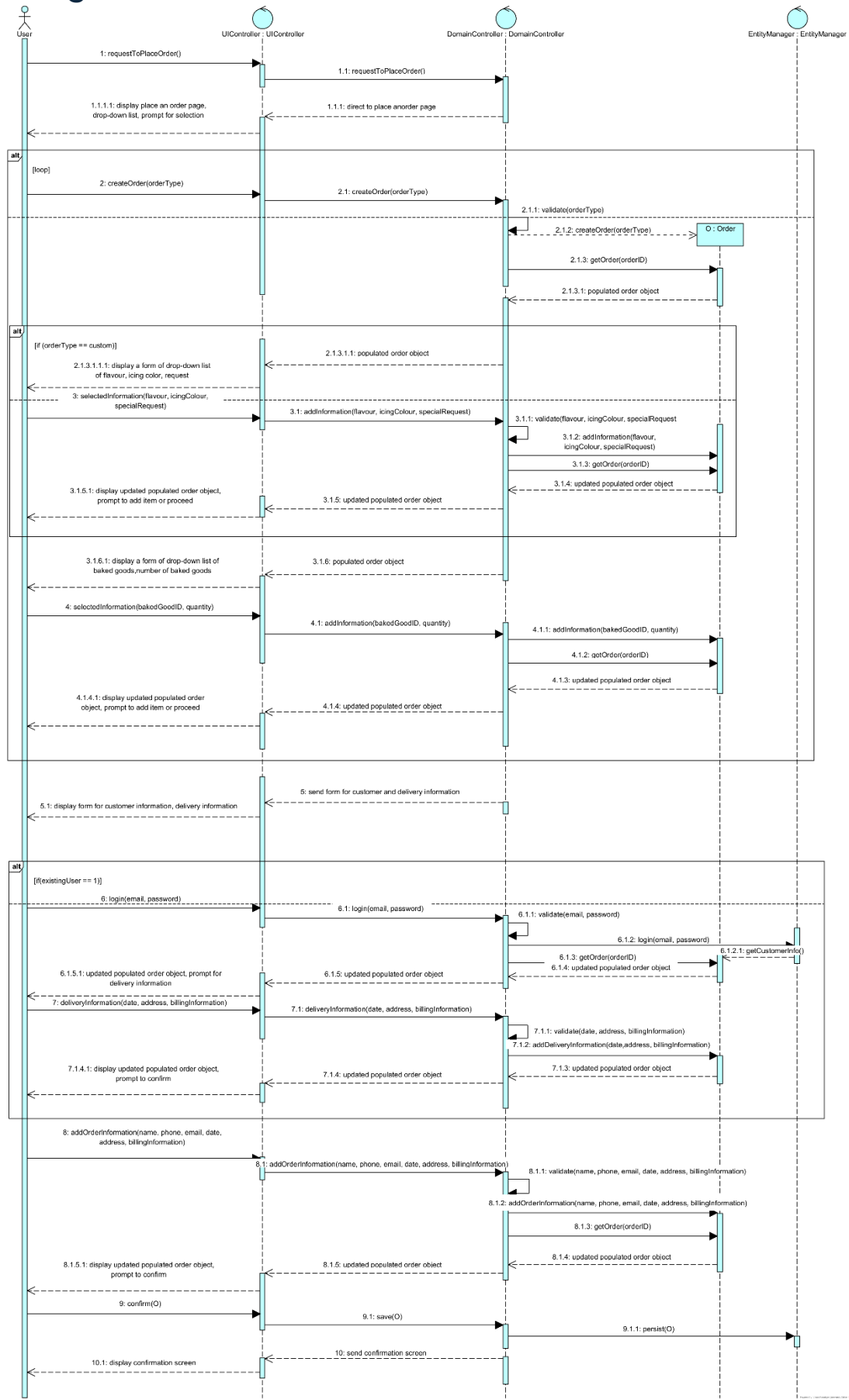
**EntityManager**

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

## Sequence Diagram – Create User:



# Sequence Diagram – Place Order:



## **Wireframe – Create User:**



CREATE NEW ACCOUNT

First Name Family Name

Country City

Email

Login

Password

☐ I agree to the Terms of Services and Privavy Policy

Sign Up


**Menu:** Account Information and navigation.

### **Order Main Section:**


- Repeat Previous Order button
- Form to enter details such as:
  - Name
  - Address
  - Email address
  - Phone number
  - Login in information
  - Password
  - Sign Up button

## Wireframe – Place Order:

BreadBoard Bakery



Place An Order




BreadBoard Bakery

PRODUCTS

Cakes	<input type="text" value="0"/>	\$ xx.xx
Cookies	<input type="text" value="0"/>	\$ xx.xx
Bread	<input type="text" value="0"/>	\$ xx.xx
Other	<input type="text" value="0"/>	\$ xx.xx

Purchase Details

Product	Quantity	Price
text	x	xx.xx
text	x	xx.xx
	Total:	\$ xx.xx
	Taxes:	\$ xx.xx
	Tip:	<input type="text" value="15%"/>
	Final Price:	\$ xx.xx



Place Order

**Menu:** Account Information.

### Order Main Section:

- Repeat Previous Order button
- Form to enter details such as:
  - List of Baked Goods and options
  - List of Baked Goods added to Order
  - Totals
  - Confirmation button

## **Additional Functionality:**

- **John Richard Bozar: Gift Card Feature**
  - The gift card feature allows customers to purchase gift cards for friends and family, making it a perfect gift option for any occasion. It's designed to be simple and user-friendly, encouraging more sales and spreading brand awareness. This feature not only benefits customers but also increases customer retention and loyalty for the bakery.
- **Rickson Bozar: Reward Point System Feature**
  - 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.
- **Diego Felipe: Discount System Feature**
  - 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.
- **Luca Novello: Repeat Last 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.