

SYD366 Assignment (10%)

This semester, you have covered various topics and problem domains surrounding the *Breadboard Bakery*. Whether it be dealing with incoming or outgoing funds, inventory organization or sales, you have explored enough use cases and user stories that you now have a good understanding of the basics behind running a small business in the modern era.

Read through this entire assignment as the Individual and Group components of the assignment are closely integrated.

Individual Component (5%)

Review the group component below and add one more functionality to Victoria's *Breadboard Bakery* website. Your individual component should be a short, well formatted document which contains:

1. A Class Diagram.
2. A Sequence Diagram.
3. One mockup.
4. A brief report on why you have chosen to add this feature to the website.

Your deliverables for the individual component are:

1. A PDF report containing your write-up and screenshots. This cannot be written by ChatGPT and any suspicious submissions will be brought to AIC.
2. Your .vpp file containing your diagrams.
3. A 2 minute video – posted to YouTube reviewing the above 4 components. The video must show your face and use your speaking voice. Penalties will be applied to videos that are too short or too long

Group Component (5%)

Your task is, with your group, to design (not implement) a customer-facing website for Victoria's *Breadboard Bakery*. You will take everything you have learned this semester and create a report, with an accompanying 10-minute presentation, which talks about your design ideas. Your design should include the following items:

1. A Class Diagram
2. One "Create User Account" Sequence Diagram
3. One "Place an Order" Sequence Diagram
4. Mockups of both 2 and 3's user interfaces
5. List of additional functionality as documented in the Individual assignments. Please describe why the additional functionality is required.

Your deliverables for this assignment are the following:

1. A PDF report containing screenshots of the four items above
2. Your .vpp file containing all your diagrams
3. A PowerPoint presentation on your design

Your presentation should be 10 minutes long at most and should not go too far into the system's technicalities. Instead, it should explore the mockups your group has created the classes and the flow of activities; furthermore, the presentation should talk about any additions your team has made on top of the use cases on the following pages.

Use Cases

Use Case Name	Create User Account
Brief Description	Allows the user to create an account on the website
Triggering Event	User wishes to create an account
Actor(s)	User
Related Use Cases	Edit User Account, Delete User Account
Pre-Conditions	The user has opened the website and clicked the "Sign Up" button, bringing them to the registration page.
Post Conditions	The user can log in and add orders.
Exception Conditions	User opts to cancel signup process.
Flow of Activities	
User	System

1. Types in their name, address, phone number and email address into the respective fields. Clicks submit.	<ul style="list-style-type: none"> Validates the information entered by the user. Highlights any fields which may be incorrectly filled in or an email which is already in use. Prompts user for a password and to re-enter the password.
2. Enters a password and re-enters the password to confirm. Clicks confirm.	<ul style="list-style-type: none"> Confirms both passwords are identical. Creates user account. Redirects user to main page, now logged in.

Use Case Name	Place Order
Brief Description	Allows a user to place an order at the <i>Breadboard Bakery</i>
Triggering Event	User wishes to place an order for baked good(s)
Actor(s)	User
Related Use Cases	Cancel Order, Edit Order
Pre-Conditions	The user has opened the website. Note: the user does not need to be logged in.
Post Conditions	The order is placed and is viewable by both the user and the owner.
Exception Conditions	User opts to cancel creating the order.
Flow of Activities	
User	System
1. Clicks “Place Order” button.	<ul style="list-style-type: none"> Directs user to the “Place an Order” page. Displays a drop-down list for the kind of order the user would like to place. This can be a catering order or a custom cake.
2. [Begin Loop] Selects desired order type.	<ul style="list-style-type: none"> [If custom cake is selected] displays a a drop-down list of flavours, another of icing colours and a blank field for special requests or cake messages. [If catering is selected] a list appears which is initially blank, as well as a drop-down list of baked goods. The user will select baked goods from the drop-down list and the blank list will populate with the selections. The user can also edit the number of any baked goods ordered in the populated list.

3. Enters desired information.	<ul style="list-style-type: none"> Validates user's information. Highlights any fields which are not filled in correctly. Prompts user to select from the original drop-down list again or confirm order.
4. [End Loop] Confirms contents of order.	<ul style="list-style-type: none"> [If user is not logged in] Prompt user to log-in or create an account. Note: This is optional and the user can continue without logging in. Display fields for order information, which are: date of delivery, address of delivery and billing information. [If the user is not logged in] Request user's other information such as phone number, email address and name.
5. Enters delivery information and user information if necessary.	<ul style="list-style-type: none"> Validates delivery information. Highlights any fields which are not filled in correctly. Requests for user to confirm.
6. User confirms order.	<ul style="list-style-type: none"> The order is placed. User is directed to an order confirmation screen which lists all the details of their order and the receipt.