

Analysis

Classes

ProfileUi	CustomerUi	EmployeeUi	OrderUi
ManagerUi	Profile	Customer	Employee
Manager	Café	Order	ProfileDB
OrderDB	Menu	PaymentControl	OrderObserver

ProfileUi:

This allows the user to interact with the profile system. Upon interaction, this class will allow the user to register or sign in in to their “Coffee to Go!” accounts.

CustomerUi:

This allows the customer who has logged in to their café account to interact with the customer ui. The user of customer type can access the options: Order, review past orders. They also have the options to quit or sign out of the application.

EmployeeUi:

This enables the employee to interact with various options such as: Order, Review Past Orders, review customer orders and quit.

OrderUi:

Once the user has chosen the option Order from their respective User interfaces, they can access the Order ui. In this ui, there is a list of menu objects that the user can order. The price is allocated alongside the objects.

ManagerUi:

The manager ui is allowed access to any options that are in the ui system. Various options such as: Order, Review past orders, Review customer orders, Review employee orders and quit.

Profile:

This class creates the user profile accounts and stores the user’s profile information into the Profile database.

***Customer:**

This class handles information related to what the customer interacts with in the system.

***Employee:**

This class handles information related to what the employee interacts with in the system.

***Manager:**

This class handles information related to what the manager interacts with in the system.

Café:

This class allows the user who has created their profile access to the menu.

Order:

Allows the user to make an order at their specified café. This class creates an order in the Order database. It also stores the total cost of the order.

ProfileDB:

The information of all the “Coffee to Go” users is stored in this database.

OrderDB:

The orders of all users are stored in this database. This data can be accessed by users through the review orders options.

Menu:

The menu contains all the data relevant to the menu objects available in the café such as tea.

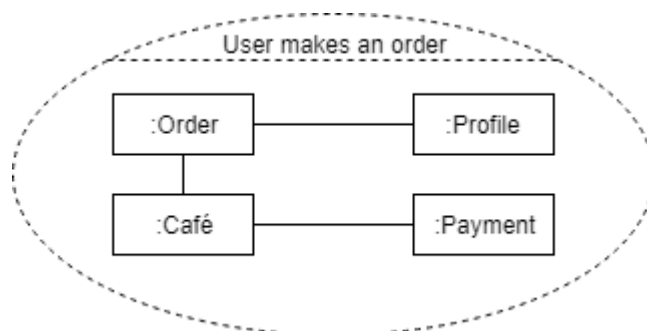
PaymentControl:

The user’s payment details are pulled from the user profile stored in the profile database. This class checks the user profile for their chosen payment method; Cash on hand or credit card. If the credit card option is chosen, this class validates if the user’s payment credentials are valid when creating their profile. If the user’s payment credentials are valid, the user can pick up their order from their specified café and the money spent is deducted from their credit card.

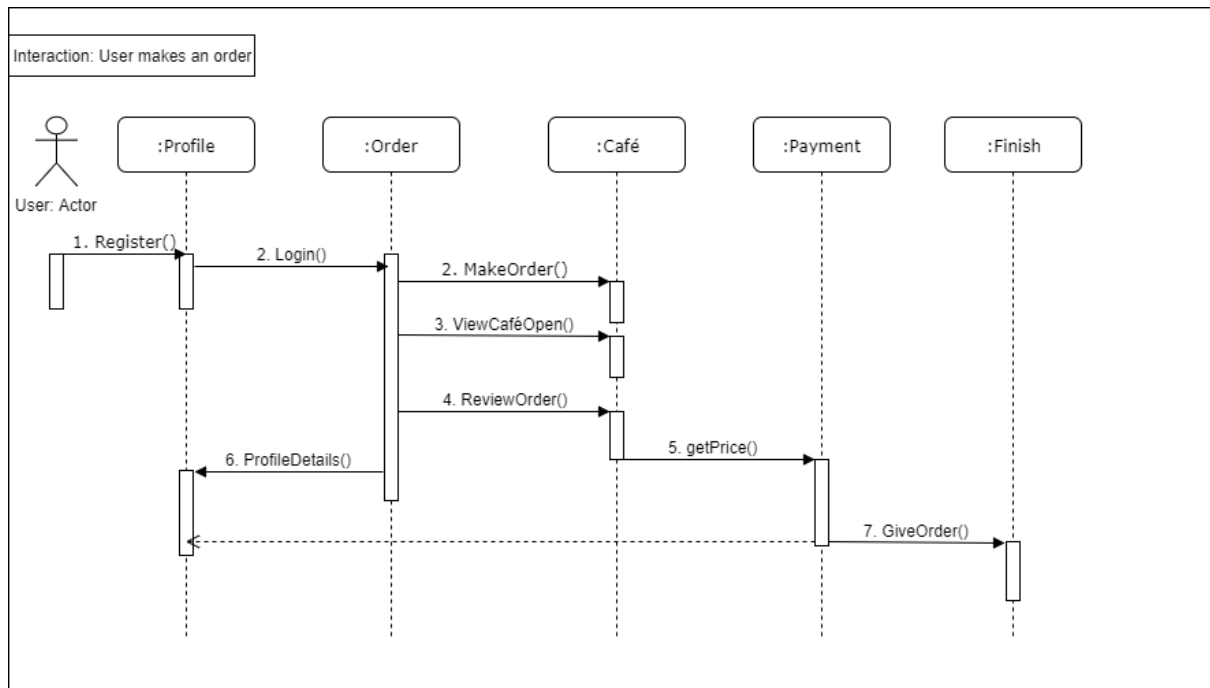
OrderObserver:

This class takes the user’s order information and stores that information in the order database. This class uses the information from the order database so the user can review their past orders.

Collaboration Diagram



Sequence Diagram



Class Analysis Diagram

