Customer

Description: This class will store a customer's information.

- This will store a customer's name, age, email, and home address
- This will store any food allergies the customer has (peanuts, tree nuts, eggs, shellfish, etc.)

Communication

Description: This will display messages between the delivery driver and customer.

- This class's constructor will take a Customer and a DeliveryDriver as parameters
- This class will allow drivers or customers to communicate once before the delivery is complete
- This class will display messages from the delivery drivers until they end communication
- The customer will be able to respond to the driver's message until they end communication

Delivery Driver

Description: This will store a delivery driver's information.

- This will store a driver's name, age, and email as parameters
- This class will assign a random employee ID
- This will store the driver's rating. If this driver has no rating, it will display a message saying the driver has no rating.
- This will store whether or not a driver's been reported as dangerous

Delivery Vehicle

Description: This class will store information about the delivery driver's vehicle.

- This class will store a vehicle's license plate, state where the vehicle's registered, model, color, and its owner.
- A vehicle's ID will match the delivery driver's employee ID

Order

Description: This will handle all order information placed by customers.

- This class will get a customer's name, delivery address, and contact information for the order

- Users can enter special delivery instructions and change their delivery address if it's not the same as the address on their account
- This class will display the selected menu items, quantities, and special instructions
- This will display subtotal, taxes, delivery fee, and final total
- This class will apply a discount (%5) if the customer is over 65 (senior discount)
- Each order will have a status (Placed, In Progress, Out for Delivery, Completed, or Canceled)
- This class will record the time and date placed
- A confirmation will be generated once the order is successfully placed

Rating

Description: This class will allow customers to rate the delivery drivers.

- This will take an integer from 1-5
- This class will give the users a choice to rate the driver
- Users will be able to input a rating (1-5)
- Users can report if the driver is dangerous (ex. The driver brought a weapon, threatened the customer, or tried to break into the customer's house)

Customer Account Changes

Description: This class will allow a customer to update their information or delete their account.

- This will allow the user to change their name, email, home address, and age
- This class will allow a user to delete their account. This action will remove all of their information.

Driver Account Changes

Description: This class will allow drivers to update their information or delete their account.

- This class will allow drivers to change their name and email
- This will allow the driver to update their vehicle information in the system
- This class will allow a user to delete their account. This action will remove all of their information, including vehicle information.