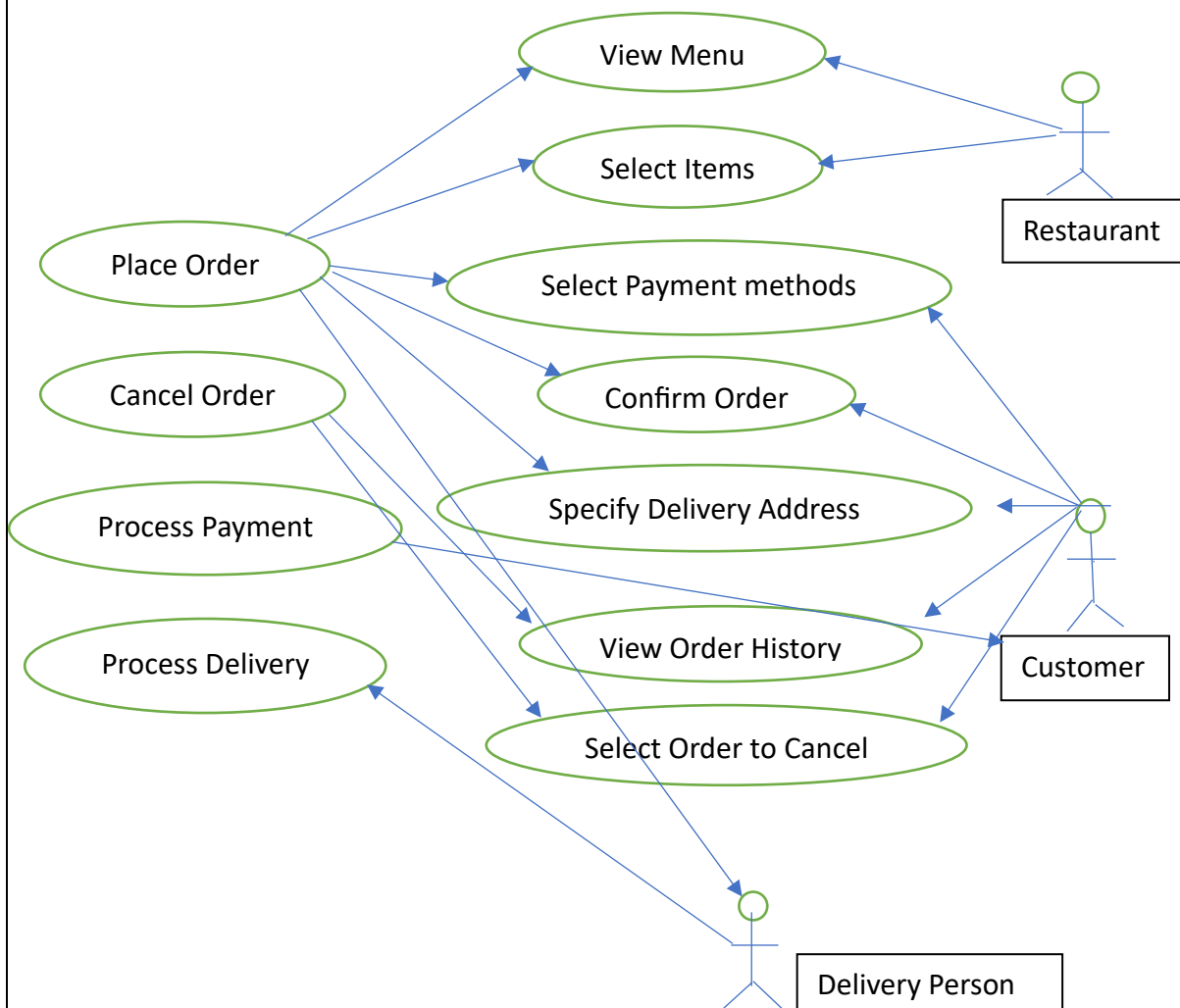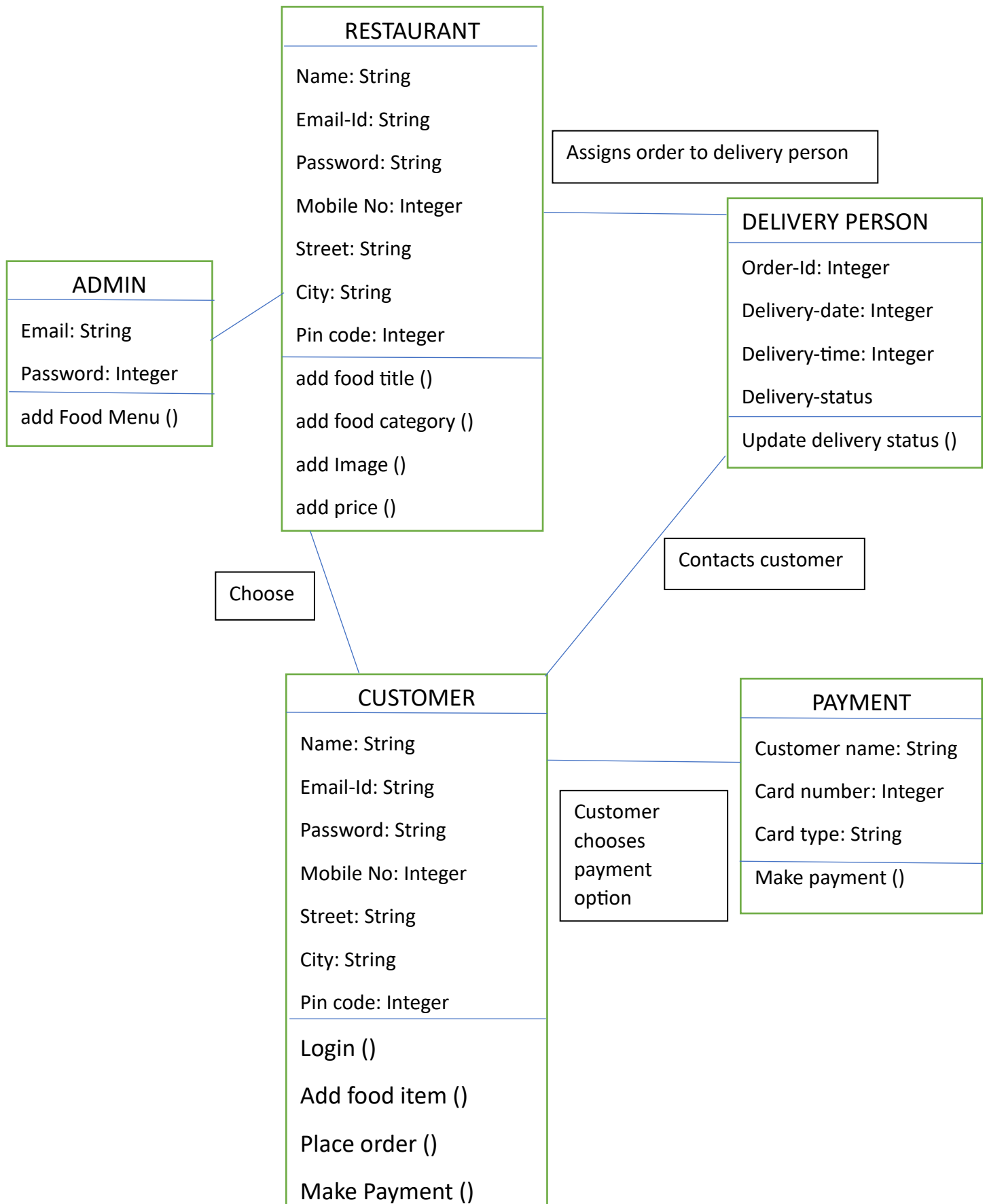# ABSTRACT

The Multi-Restaurant Online Food Ordering System project, using Python and Django, aims to provide a seamless experience for all involved. It allows administrators to easily add food categories, register restaurants, and add multiple delivery persons. Customers can add food to their cart, order, and assign delivery persons for deliveries. The project consists of four modules: Administrator, Restaurant, Customer, and Delivery. The first module, User Authentication and Registration, user can perform their functionalities. The second module, Restaurant Management, allows restaurants to register and manage their food, add food, and update orders. The third module, Customer Management, allows customers to register and manage their orders. Evaluation criteria include completing user authentication and registration, successful implementation of restaurant management functionalities, customer management interface, and delivery person management.
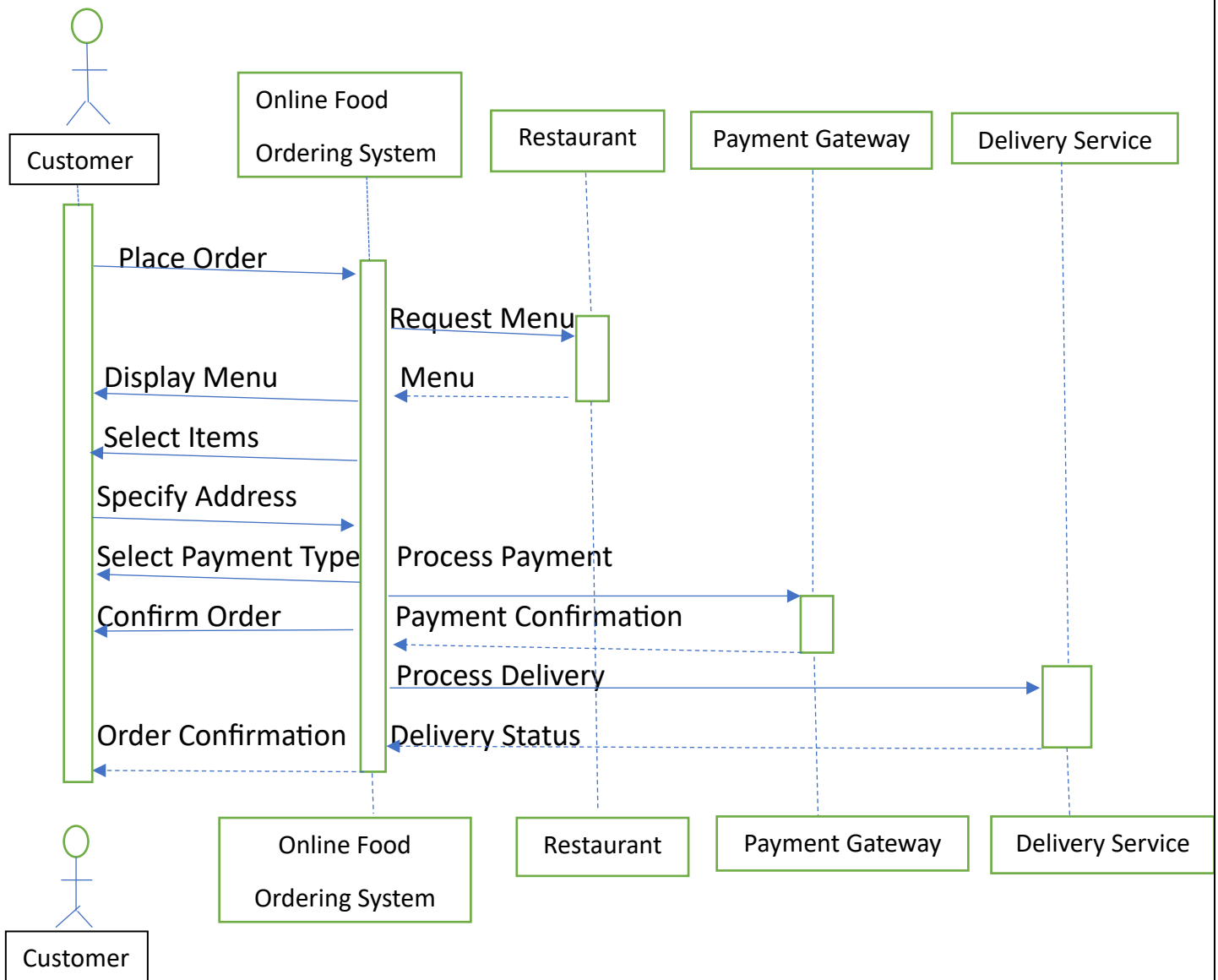
USECASE DIAGRAM:

CLASS DIAGRAM:

RESTAURANT

Name: String

Email-Id: String

Password: String

Mobile No: Integer

Street: String

City: String

Pin code: Integer

---

add food title ()

add food category ()

add Image ()

add price ()

ADMIN

Email: String

Password: Integer

---

add Food Menu ()

Assigns order to delivery person

DELIVERY PERSON

Order-Id: Integer

Delivery-date: Integer

Delivery-time: Integer

Delivery-status

Update delivery status ()

Contacts customer

Choose

CUSTOMER

Name: String

Email-Id: String

Password: String

Mobile No: Integer

Street: String

City: String

Pin code: Integer

Login ()

Add food item ()

Place order ()

Make Payment ()

Customer chooses payment option

PAYMENT

Customer name: String

Card number: Integer

Card type: String

Make payment ()

SEQUENCE DIAGRAM:

DATAFLOW DIAGRAM:

```
Customer        Admin        Customer Database        Menu Database
   |              |
   v              v
Order Placement  Admin Database
   |                  ^
   v                  |
Order Processing -----+----------------------+
   |         \                                |
   v          v                               v
Restaurant   Payment Processing        Delivery Management
                |         \                   |
                v          v                  v
          Payment Gateway  Order Database   Delivery Service
```
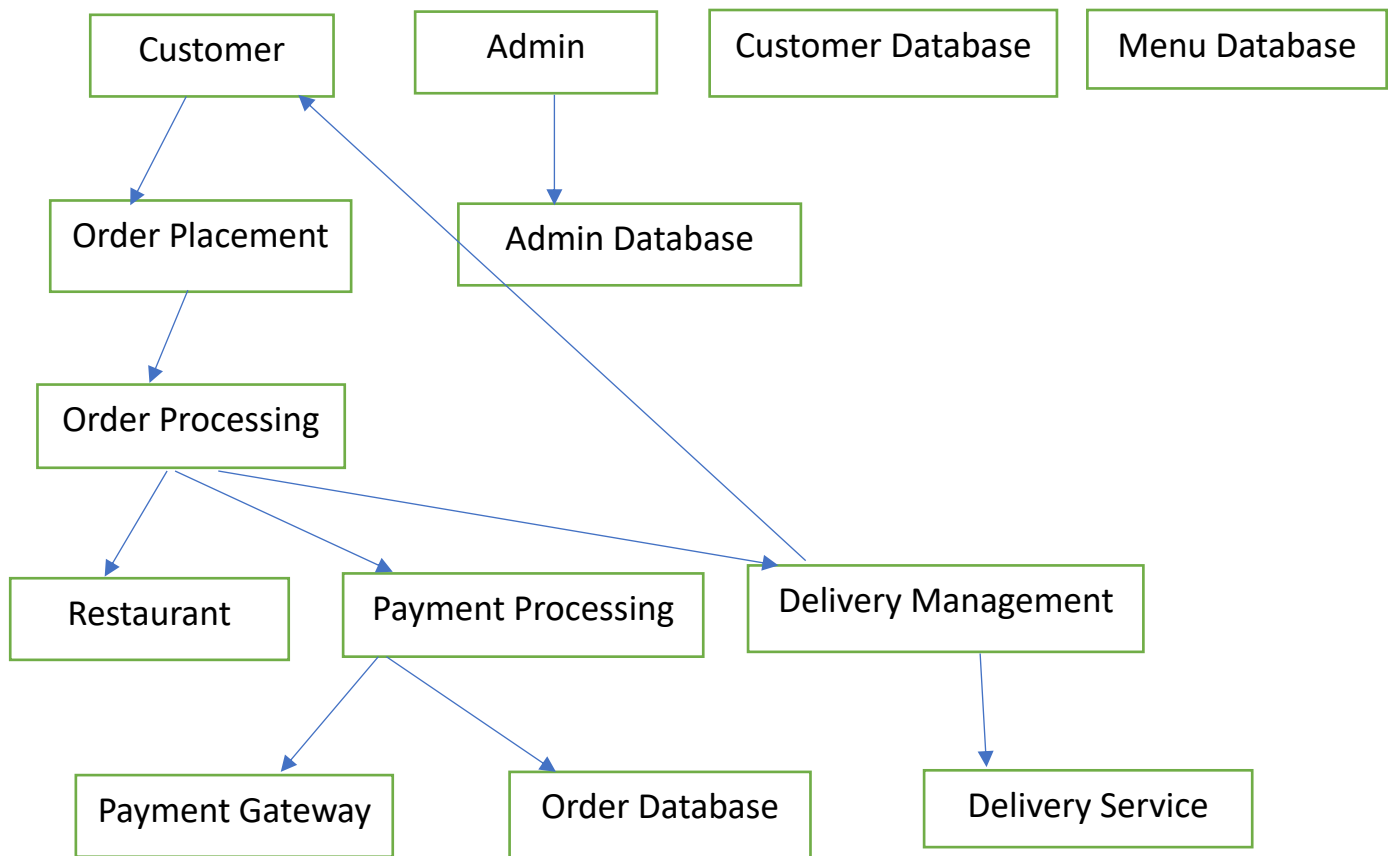
SOFTWARE REQUIREMENTS:

Operating System: Windows 10 is commonly used due to it's Stability,

Fast, secure and user-friendly features.

Database: A database system like MySQL for data storage and

 data accessing.

HARDWARE REQUIREMENTS:

PROCESSOR: A standard processor with high speed.

RAM: A 2GB RAM for multitasking.

HARD DISK: A 100GB sufficient storage space.