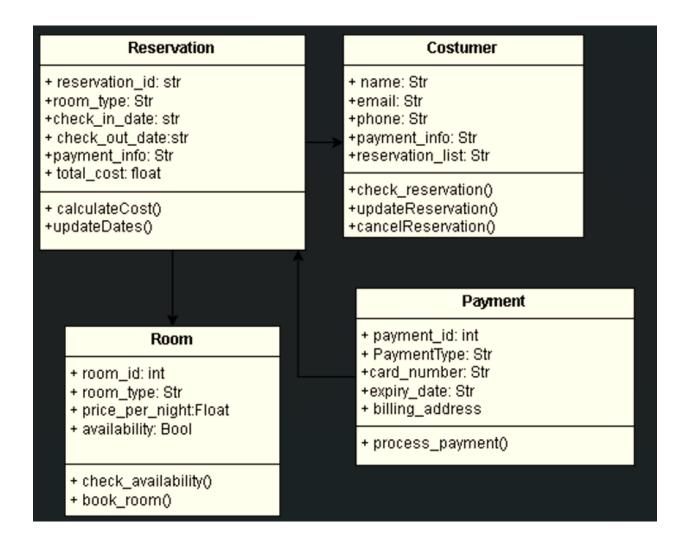
Use Case:	Description
Scenarios:	
Create Reservation	The customer provides personal details, room preferences, and payment info to create a new reservation.
View Reservation	The system displays reservation details when provided with the reservation ID or customer email.
Update Reservation	The customer updates the room type, check-in date, or number of nights in the existing reservation.
Cancel Reservation	The customer cancels their reservation using a reservation ID.
Check-In/Check-Out	The hotel clerk uses the system to check the customer in or out based on their reservation details.



Code:

```
class Customer: # creating the costumer class
  def __init__(self, name, email, phone): #initializing attributes
        self.name = name
        self.email = email
        self.phone = phone
        self.reservation_list = []

  def view_reservation(self, reservation_id): # function for viewing
reservation
        pass

  def update_reservation(self, reservation_id, new_room_type, new_dates):
# function for updating reservations
        pass
```

```
class Reservation: # Reservation class
         init (self, reservation id, room type, check in, check out,
        self.room_type = room_type
        self.payment info = payment info
   def init (self, room id, room type, availability, price per night):
        self.availability = availability
        self.price per night = price per night
    def init (self, payment id, payment type, card number, expiry date,
billing address):
        self.payment id = payment id
        self.payment type = payment type
        self.card number = card number
reservation = Reservation("123456", "2 Queen Beds", "2022-08-22", "2022-08-
24", "Mastercard", 201.48)
room = Room("101", "2 Queen Beds", True, 89.95)
payment = Payment("98765", "Mastercard", "123456789012", "12/23", "123
```

```
# testing the classes through the objects
print(f"Customer: {customer.name}")
print(f"Room Type: {reservation.room_type}")
print(f"Check-In Date: {reservation.check_in}")
print(f"Total Cost: {reservation.total_cost}")
```