Object

To design a pizza delivery app, you would need to define and create several objects (classes) to represent the key entities and functionalities of the application. Below, I'll outline some essential objects for a pizza delivery app:

1. **User:**
   - Attributes: User ID, Name, Contact Information, Address, Payment Information.
   - Methods: ViewOrderHistory(), PlaceOrder(), UpdateProfile().
2. **Pizza:**
   - Attributes: Pizza ID, Name, Description, Price, Ingredients.
   - Methods: AddToCart(), Customize(), ViewDetails().
3. **Order:**
   - Attributes: Order ID, User ID, Delivery Address, Order Status, Total Price, Ordered Items (list of pizzas).
   - Methods: CalculateTotal(), TrackOrder(), CancelOrder().
4. **Menu:**
   - Attributes: List of Pizzas, Categories (e.g., Veg, Non-Veg, Specials).
   - Methods: ViewMenu(), FilterByCategory(), SearchByName().
5. **Cart:**
   - Attributes: List of Items (pizzas), Total Price.
   - Methods: AddToCart(), RemoveFromCart(), ViewCart(), ClearCart().
6. **DeliveryDriver:**
   - Attributes: Driver ID, Name, Vehicle Information.
   - Methods: AcceptOrder(), UpdateLocation(), MarkDelivered().
7. **Payment:**
   - Attributes: Payment ID, User ID, Order ID, Payment Status, Amount, Payment Method.
   - Methods: ProcessPayment(), ViewPaymentHistory().
8. **Notification:**
   - Attributes: Notification ID, User ID, Message, Timestamp.
   - Methods: SendNotification(), ViewNotifications().
9. **Authentication:**
   - Methods: SignUp(), SignIn(), SignOut(), ResetPassword().

10. **Restaurant:**
    - Attributes: Restaurant ID, Name, Location, Menu.
    - Methods: UpdateMenu(), ViewOrders(), ManageDeliveryArea().

These are just examples, and the actual implementation may vary based on the specific requirements of your pizza delivery app. Additionally, you may need objects for handling geolocation, reviews and ratings, promotions, and more, depending on the features you want to include.

Remember to consider the relationships between these objects, such as how an order is associated with a user, how pizzas are added to a cart, and how notifications are linked to users. Modeling these relationships accurately is crucial for a well-functioning app.