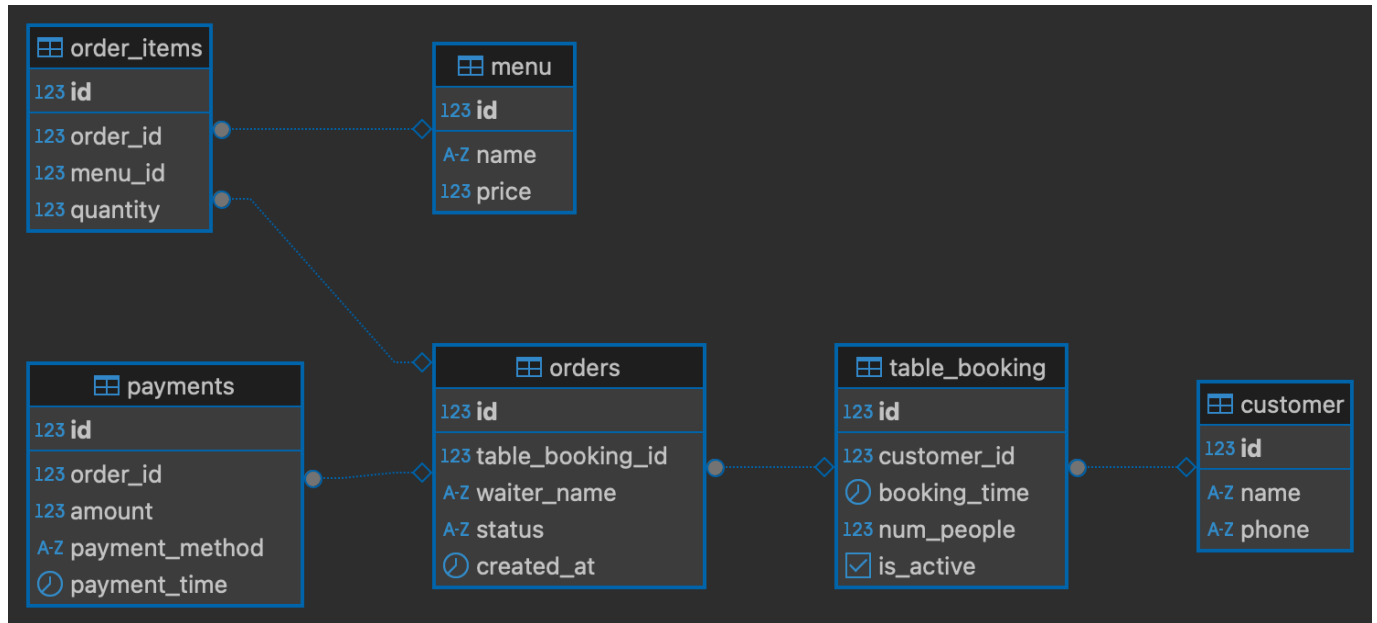


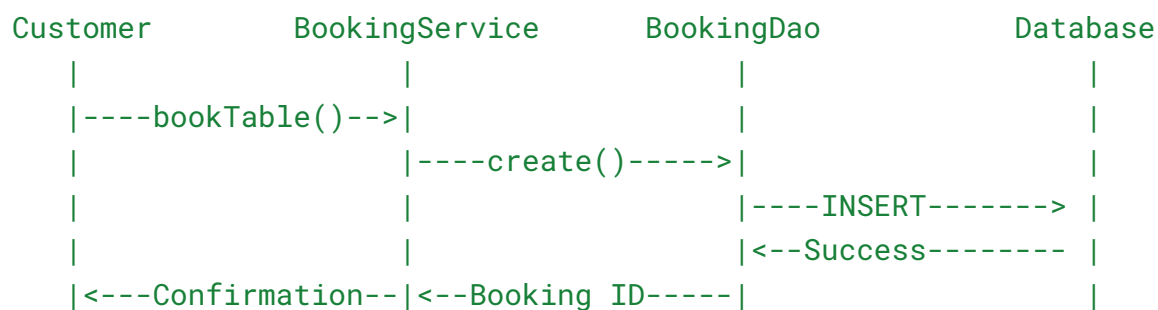
## ER Diagram for database structure.



## Sequence diagrams

## 1. Table Booking Flow (Customer)

**Participants:** Customer → BookingService → BookingDao → Database



## 2. Placing an Order Flow

**Participants:** Customer → OrderService → OrderDAO → Database



----takeOrder()-->			
	----create()----->		
		----INSERT----->	
		<--Success-----	
<--Order Created--	<--Order ID-----		

### 3. Kitchen Processing Orders

**Participants:** KitchenStaff → KitchenService → OrderDao → Database

KitchenStaff	KitchenService	OrderDao	Database
--viewOrders()-->			
	--findPendingOrders()----->		
		<--List<Order>-----	
<--Pending Orders	<-----		
--markPrepared(orderId)----->			
		--updateStatus()-->	
		("Prepared")	
		<--Success-----	

---

### 4. Billing and Payment Flow

**Participants:** Cashier → BillingService → OrderDao, PaymentDao → Database

Cashier	BillingService	OrderDao/PaymentDao	Database
--generateBill()->			
	--getOrder()--->		
		--SELECT----->	
		<--Order, Items-----	
	calculateTotal()		

```

|                                     |--savePayment()----->| |
|                                     |                         |--INSERT----->|
|                                     |                         |--Success-----|
|<---Payment Success<-----|

```

## 📌 4. Admin Flow

**Participants:** Admin → AdminService → MenuDao → Database

Admin	AdminService	MenuDao	Database
--addItem()----->			
	--insertMenu()---->		
		--INSERT----->	
		<---Success-----	
<---Menu Added-----	<-----		
--updateMenuItem()--->			
	--updateMenu()---->		
		--UPDATE----->	
		<---Success-----	
<---Menu Updated-----	<-----		
--deleteMenuItem()--->			
	--deleteMenu()---->		
		--DELETE----->	
		<---Success-----	
<---Menu Deleted-----	<-----		