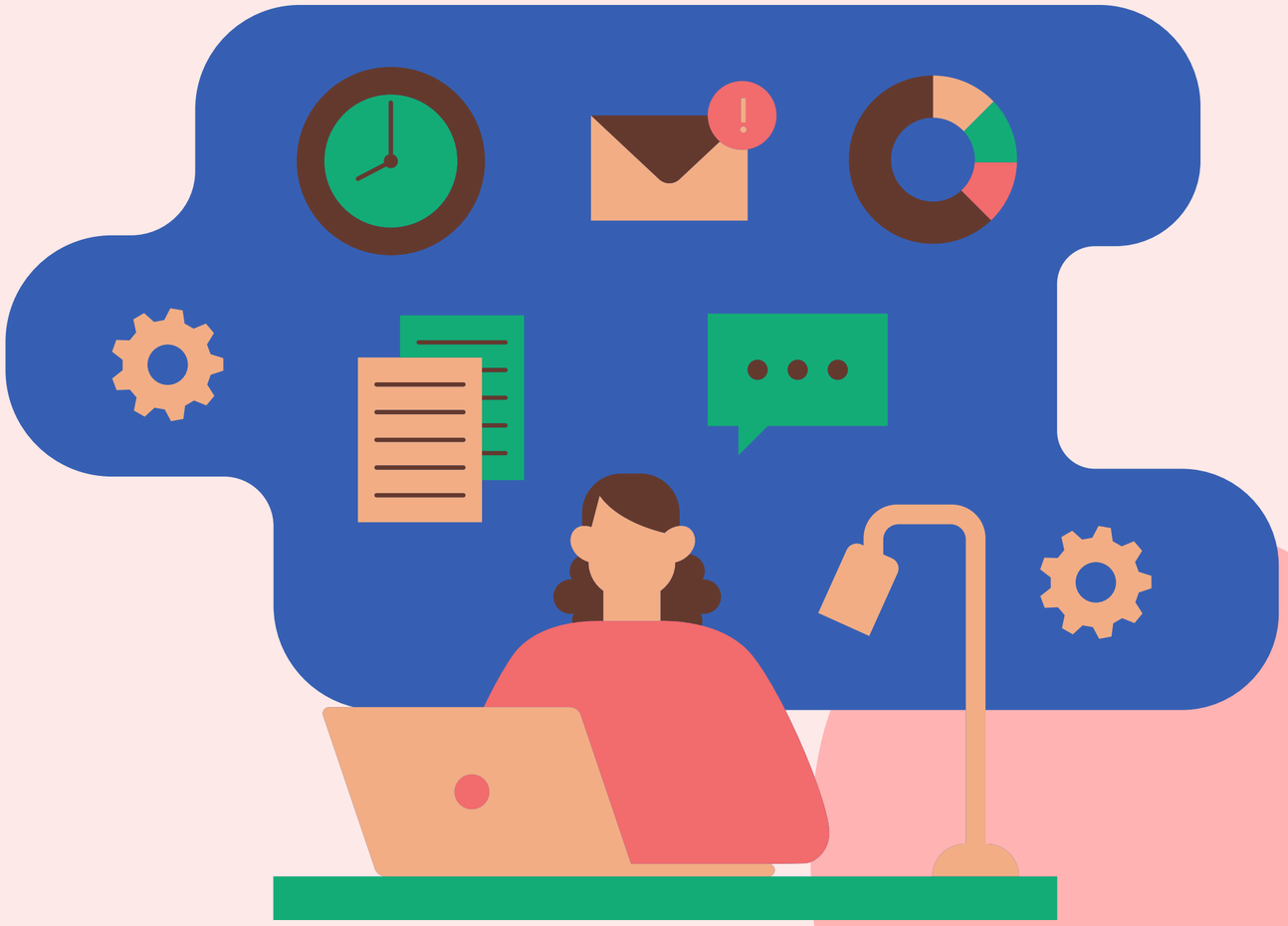
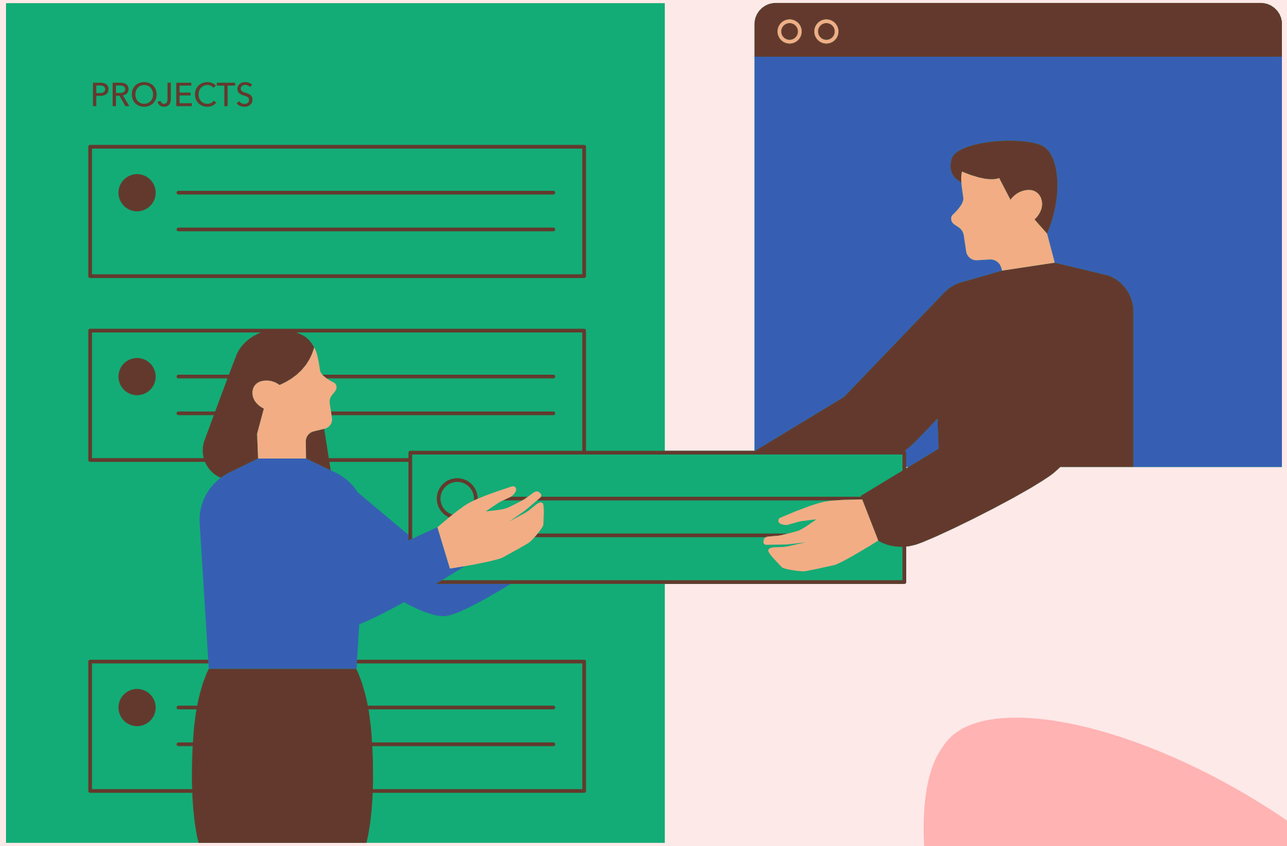
RESTAURANT MANAGEMENT SYSTEM

Present by Group 5



Team Members :



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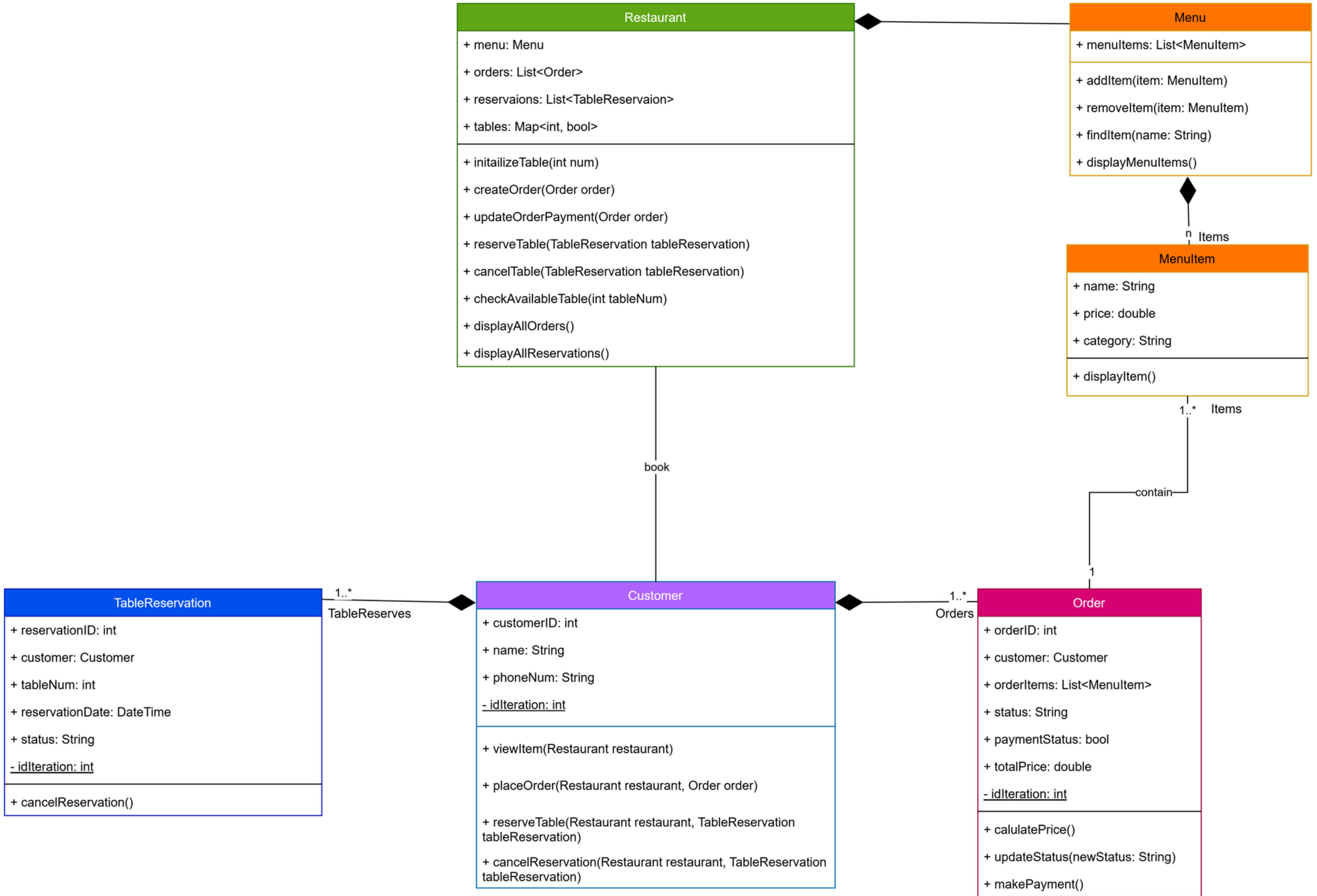
Introduction

Restaurant management system is a system help to organize the restaurant when receiving table reservation, along with customer’s data such as ID, contact , reservation time. Easier for employee to use and manage the customer's orders.

Features:

1. **Restaurant**
   - Place Order item for Customer
   - Place Table Reservation for Customer
   - Cancel Table Reservation
   - Check Available Table
   - Display all Orders
   - Display all Reservations
2. **Menu**
   - Add Item & Remove Item
   - Find Item & Display all Items
3. **Customer**
   - View Item
   - Place Order
   - Reserve and Cancel Table


Restaurant
+ menu: Menu
+ orders: List<Order>
+ reservaions: List<TableReservaion>
+ tables: Map<int, bool>
+ initailizeTable(int num)
+ createOrder(Order order)
+ updateOrderPayment(Order order)
+ reserveTable(TableReservation tableReservation)
+ cancelTable(TableReservation tableReservation)
+ checkAvailableTable(int tableNum)
+ displayAllOrders()
+ displayAllReservations()
Menu
+ menuItems: List<MenuItem>
+ addItem(item: MenuItem)
+ removeItem(item: MenuItem)
+ findItem(name: String)
+ displayMenuItems()
n
Items
MenuItem
+ name: String
+ price: double
+ category: String
+ displayItem()
1..*
Items
book
contain
1
TableReservation
+ reservationID: int
+ customer: Customer
+ tableNum: int
+ reservationDate: DateTime
+ status: String
- idIteration: int
+ cancelReservation()
1..*
TableReserves
Customer
+ customerID: int
+ name: String
+ phoneNum: String
- idIteration: int
+ viewItem(Restaurant restaurant)
+ placeOrder(Restaurant restaurant, Order order)
+ reserveTable(Restaurant restaurant, TableReservation tableReservation)
+ cancelReservation(Restaurant restaurant, TableReservation tableReservation)
1..*
Orders
Order
+ orderID: int
+ customer: Customer
+ orderItems: List<MenuItem>
+ status: String
+ paymentStatus: bool
+ totalPrice: double
- idIteration: int
+ calulatePrice()
+ updateStatus(newStatus: String)
+ makePayment()

Demo

Thank You