

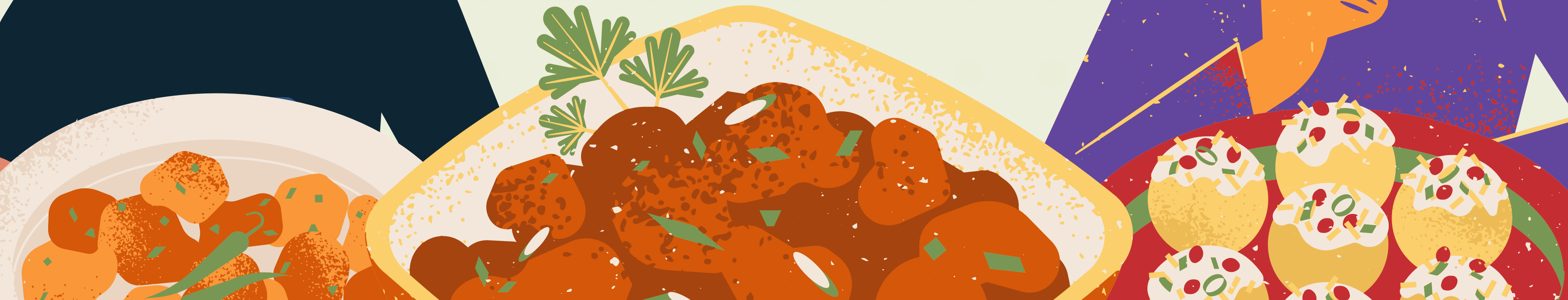


MICRO PROJECT

RESTAURANT MANAGEMENT



GROUP MEMBER: OU VENHAV
PHON SOVATANAK



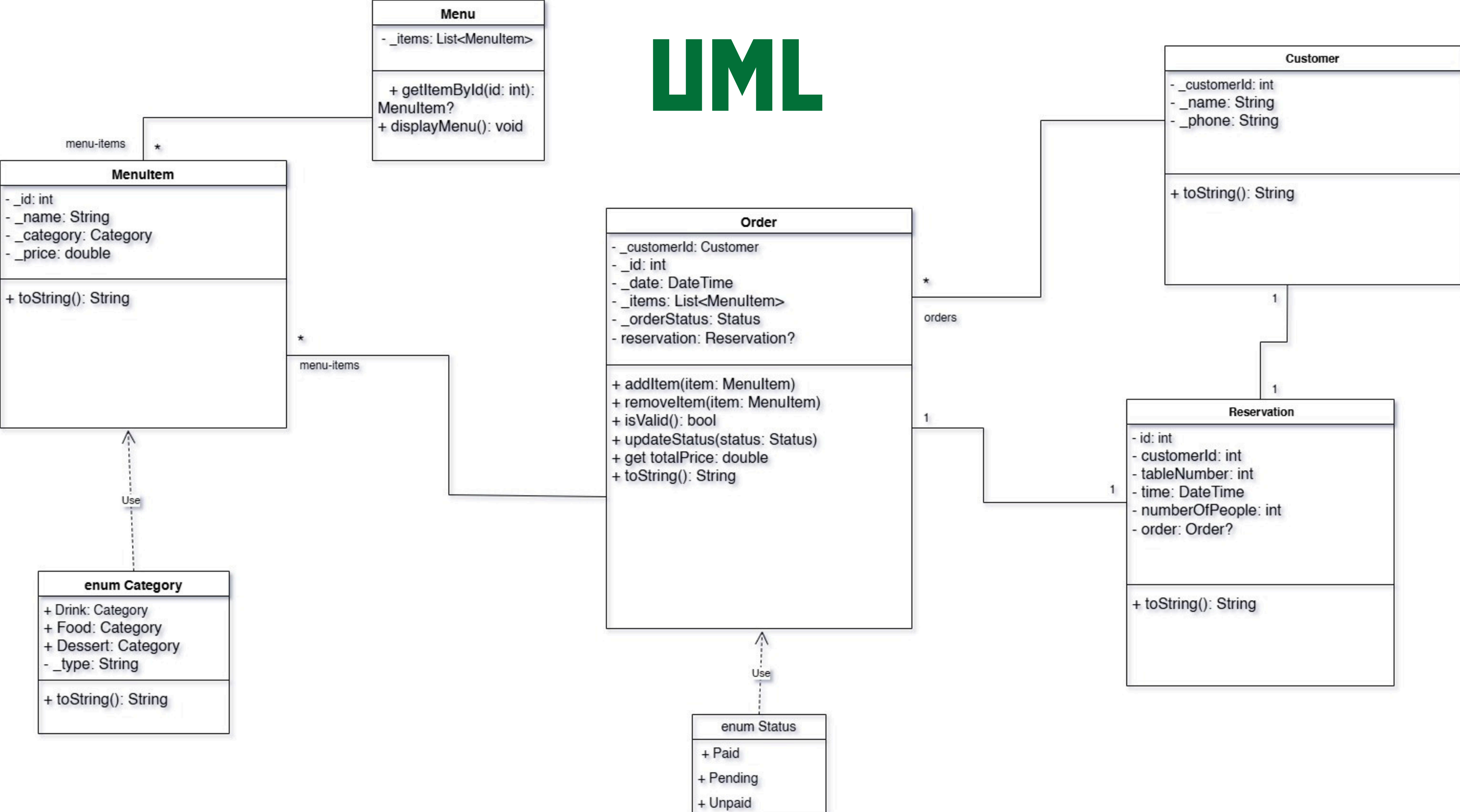
ABOUT

We created a simple Restaurant Management System That allows users:

- to record customer details
- make reservations
- place orders.



UML

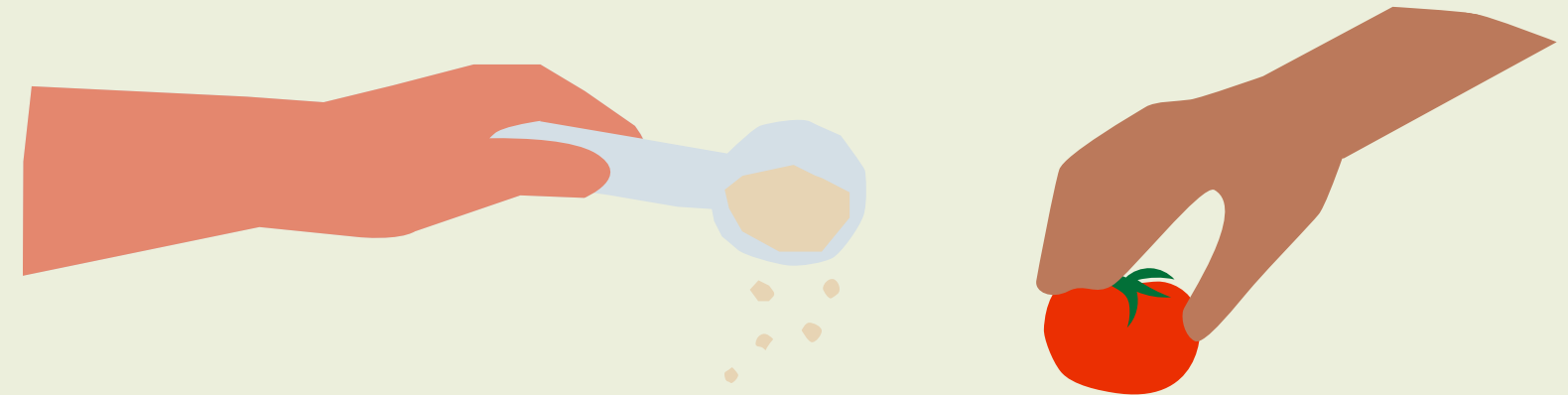
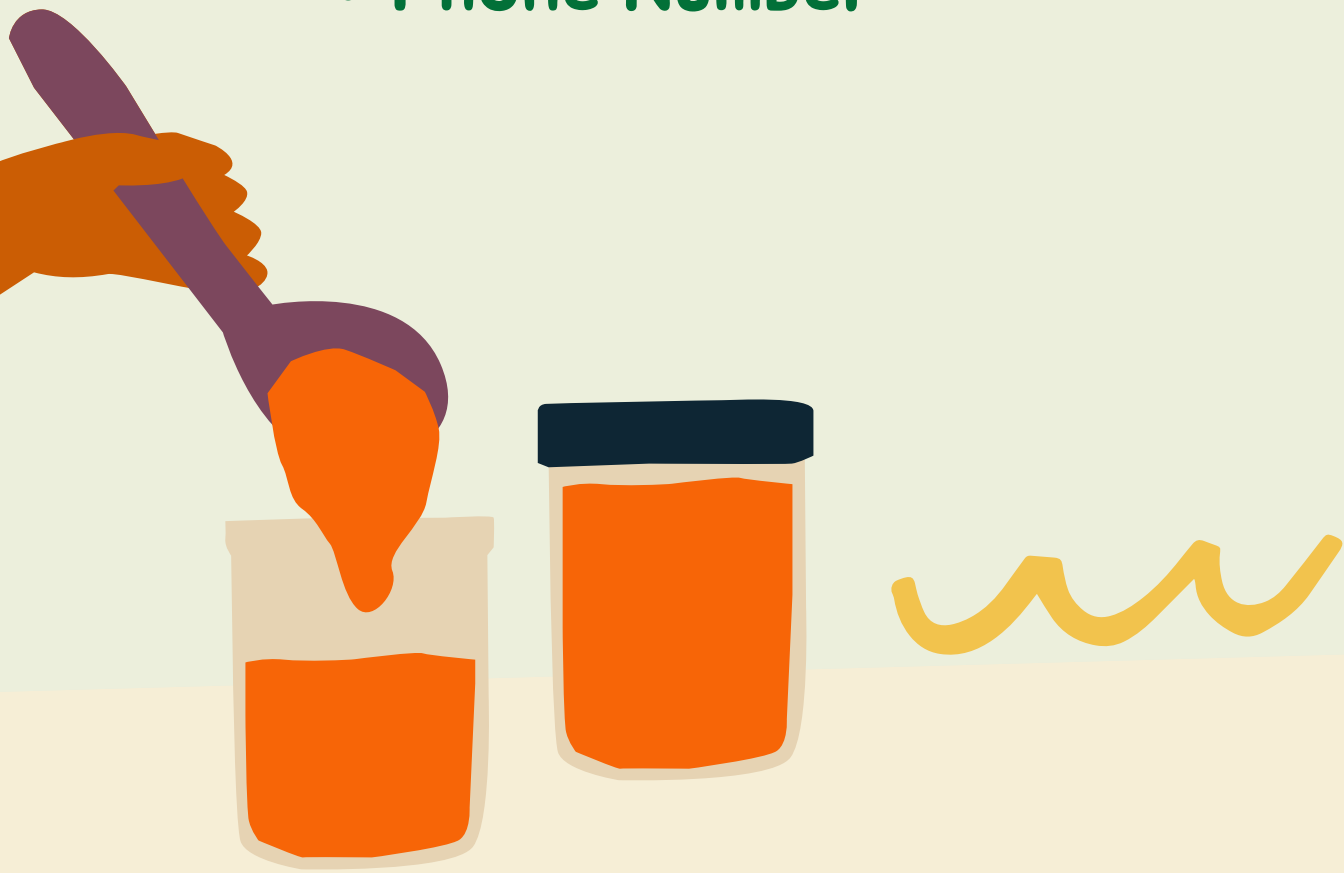




Customer

Customer Detail Include:

- ID
- Name
- Phone Number



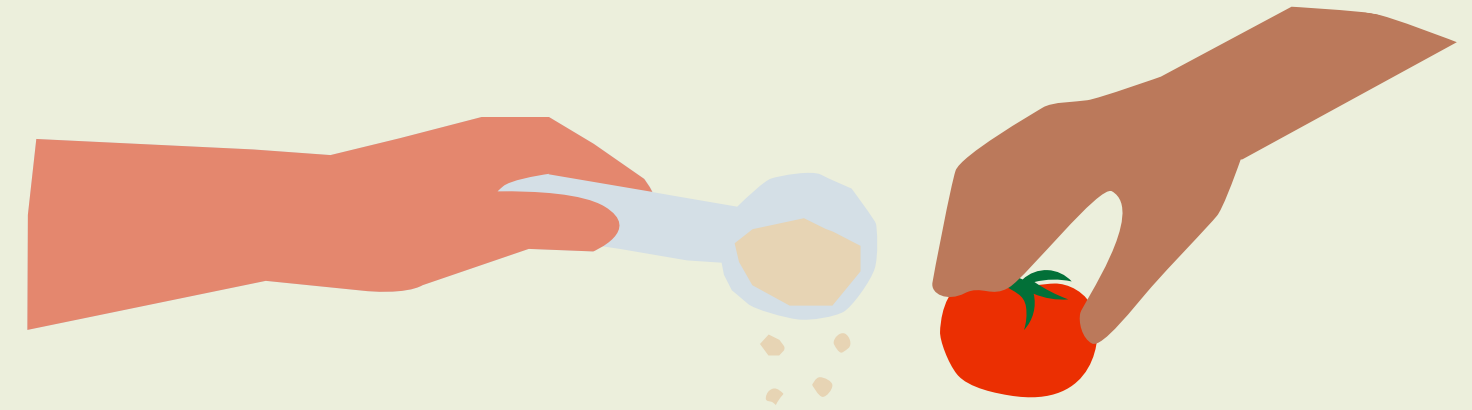
```
==== Customer Input ====  
Enter customer ID:  
123  
Enter customer name:  
OUVENHAV  
Enter customer phone:  
012249500  
Customer added successfully.
```



Reservation

Reservation Detail Include:

- Reservation ID
- Customer ID
- Table Number
- Amount of People



```
==== Reservation Input ====  
Enter reservation ID:  
1  
Enter customer ID:  
1  
Enter table number:  
2  
Enter number of people:  
3  
Reservation made successfully.
```



Order

Order input:

- Reservation ID
- Items
- Payment



```
Enter reservation ID:
```

```
1
```

```
Menu
```

```
Item ID: 1, Name: Burger, Category: Food, Price: $5.0
```

```
Item ID: 2, Name: Coca, Category: Drink, Price: $0.75
```

```
Item ID: 3, Name: Pizza, Category: Food, Price: $15.0
```

```
Item ID: 4, Name: Ice-Cream, Category: Dessert, Price: $1.0
```

```
Item ID: 5, Name: Fried Rice, Category: Food, Price: $2.0
```

```
Item ID: 6, Name: Noodle, Category: Food, Price: $2.0
```

```
Item ID: 7, Name: Cookie, Category: Dessert, Price: $0.25
```

```
Enter the ID of the item you want to order (or 'done' to finish):
```

```
1
```

```
Burger added to your order.
```

```
Enter the ID of the item you want to order (or 'done' to finish):
```

```
2
```

```
Coca added to your order.
```

```
Enter the ID of the item you want to order (or 'done' to finish):
```

```
done
```

```
Do you want to Pay?(yes/no):
```

```
yes
```

```
Order placed successfully.
```



Order (Cont.)

Order/Receipt Detail Include:

- Customer Detail
- Reservation Detail
- Order Detail



```
===== Customer =====
Customer ID: 1
Customer Name: 1
Contact: 1
===== Reservation =====
Reservation ID: 1
Customer ID: 1
Table Number: 2
Time: 2024-10-31 22:40:40.709093
People: 3
===== Order =====
Order ID: 1
Customer ID: 1
Date: 2024-10-31 22:42:59.901421
===== Ordered Menu =====
Item ID: 1, Name: Burger, Category: Food, Price: $5.0
=====
Item ID: 2, Name: Coca, Category: Drink, Price: $0.75
===== Total =====
Price: $5.75
===== Status =====
Paid
```


EXPLORER

SOURCE CONTROL REPOSITORIES

micro_pr... main* ...

OPEN EDITORS

main.dart micro_project M

Extension: vscode-pdf

Order.dart micro_project

Menu.dart micro_project

SOURCE CONTROL

MICRO_PROJECT

micro_project

Customer.dart

main.dart M

Menu.dart

Order.dart

Reservation.dart

Restaurant_Management_diagra...

Restaurant_Management_slide.pdf

micro_project > main.dart > addReservation

53 void addCustomer(List<Customer> customers) {

55 int customerId = getInputAsInt("Enter customer ID:");

56 if (isCustomerExists(customers, customerId)) {

57 print("Customer ID already exist!. Choose a unique one.");

58 return;

59 }

60 String name = getInputAsString("Enter customer name:");

61 String phone = getInputAsString("Enter customer phone:");

62 customers.add(Customer(customerId, name, phone));

63 print("Customer added successfully.");

64 }

65

66 // Add Reservation Function

67 void addReservation(List<Customer> customers, List<Reservation> reservations) {

68 print("==== Reservation Input =====");

69 int reservationId = getInputAsInt("Enter reservation ID:");

70 if (isReservationUnique(reservations, reservationId)) {

71 print("Reservation ID already exist! Choose a Unique one.");

72 return;

73 }

74

75 int customerId = getInputAsInt("Enter customer ID:");

76 if (isCustomerExists(customers, customerId)) {

77 print("Customer don't exist! Choose an existing one");

78 return;

79 }

80 int tableNumber = getInputAsInt("Enter table number:");

81 int numberOfPeople = getInputAsInt("Enter number of people:");

82 reservations.add(Reservation(

83 reservationId, customerId, tableNumber, DateTime.now(), numberOfPeople)); // Reservation

84 print("Reservation made successfully.");

85 }

86

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

GIT LENS

PS C:\code files\micro project\micro_project> dart "c:\code files\micro project\micro_project\micro_project\main.dart"

==== Restaurant Management System =====

1. Input Customer

2. Input Reservation

3. Customer Place Order

4. Exit

Choose your choice.

1

==== Customer Input =====

Enter customer ID:

12

Enter customer name:

Find

Aa ab *

No results

↑ ↓ ×

powershell

Code

main*

Launchpad

0 0 0

0

L-pixels, 5 days ago

Ln 72, Col 12

Spaces 2

UTF-8

CRLF

() Dart

Go Live

Prettier

THANK YOU

