

Here are the key changes in the updated UML:

1. **New Attributes in Restaurant Class**:

- Added `phone`, `menu`, `customers`, `tables`, `staffList`, `reservations`, and `orders` to better represent relationships and details in the system.

2. **New Methods in Restaurant Class**:

- Added methods like `addCustomer`, `addTable`, `addStaff`, `addOrder`, `addReservation`, `showTables`, and `showStaff` to support more restaurant operations.

3. **Changes in Order Class**:

- `Order` class now includes `tableID` and `items`, with methods like `addItem`, `removeItem`, `displayOrderItems`, and `cancelOrder` for better order management.

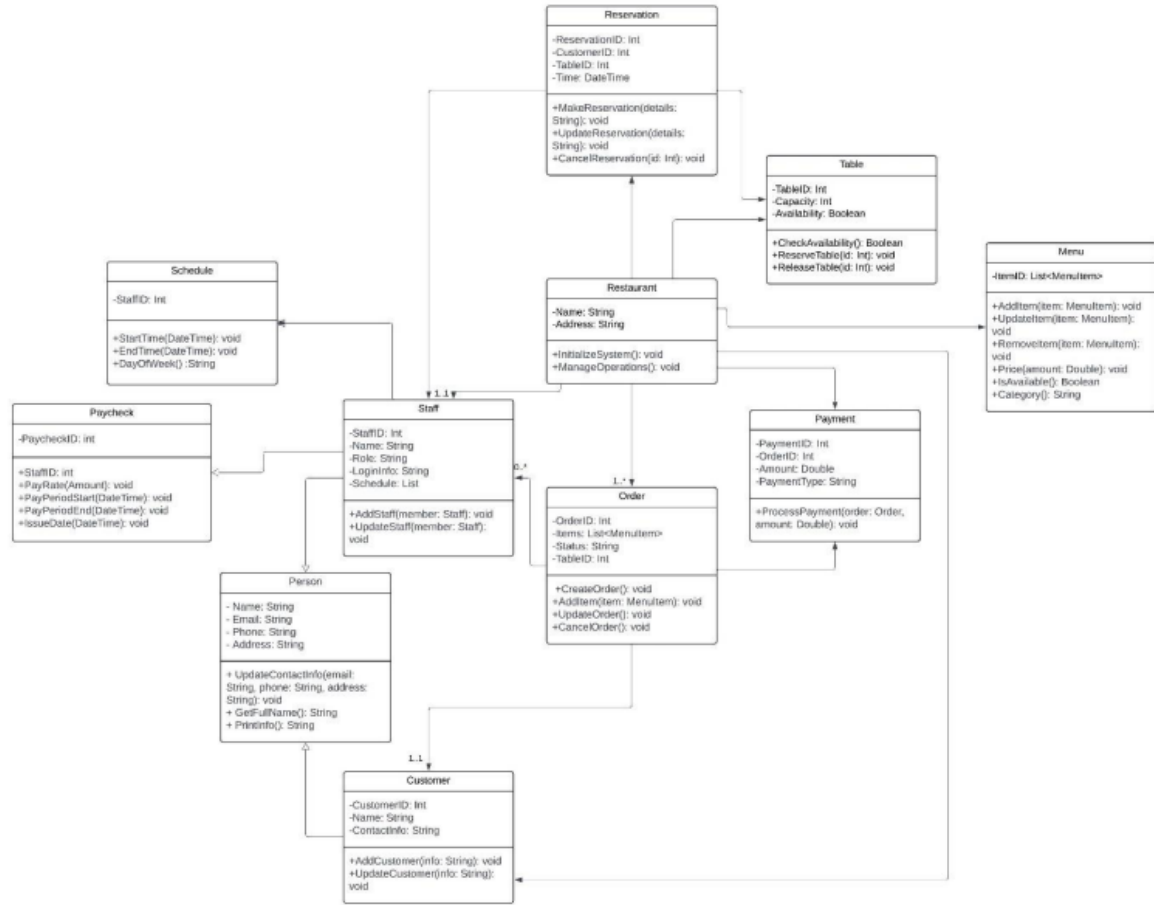
4. **Updates in Item and Menu Classes**:

- `Item` class now has methods to get/set `itemID`, `name`, and `price`, as well as `updateAvailability` for menu management.
- `Menu` class includes `showMenu` and `findItem` methods to handle items effectively.

5. **New Methods in Other Classes**:

- `Paycheck` class now has `calculateOvertime` and `applyBonus` for payroll calculations.
- `Schedule` class has methods to get and set `day` and `shift`.

## Original UML Diagram:



## Updated UML Diagram:

