**OOP Project**

**Assignment 2**

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**Section B**

**Restaurant System:**

Customers can easily browse the menu, place orders, and make reservations through the interactive interface. Staff members can manage orders in real-time, update menu items, and monitor inventory levels to ensure timely restocking.

**Menu Management**: Staff can add, edit, or remove menu items with ease, including descriptions, prices, and availability status.

**Order Processing:** Orders are efficiently managed through the GUI, with options for customization, modifications, and order status tracking.

**Inventory Control:** The system tracks inventory levels in real-time, alerting staff when items are running low and generating purchase orders as needed.

**Reservation System:** Customers can make reservations through the GUI, with staff able to view and manage reservations to optimize table allocation.

**Reporting and Analytics**: The system generates comprehensive reports on sales, inventory turnover, and customer trends, providing valuable insights for decision-making.