Order Management System

Description:

Develop an order processing system for an e-commerce platform. The system should handle customer orders, calculate total costs, apply discounts, and generate invoices. Use user-defined functions to manage orders and decorators to apply discounts and validate order data.

Key Features:

- Allow users to place orders with multiple items.

- Calculate total cost, including taxes and shipping.

- Apply discount codes using decorators.

- Validate order data before processing.

- Generate and print invoices.