This POS system manages inventory and sales for a convenience store using simple object-oriented programming.

Components:

* Main Loop: Handles user inputs and system navigation.
* InventoryManager: Manages inventory tasks such as adding and removing products.
* Product Classes: Include basic product details and specific classes for items like Tobacco and Lottery Tickets that require special tax handling.

User Interface:

Uses a console-based menu for operations like product addition and sales processing.

Error Handling:

Checks and handles errors in user inputs and file operations.

Data Management:

Stores inventory data in a text file, allowing data persistence across sessions.

General Comments

Scalability:

Easily expandable to include new product types or features.

Maintainability:

Clear separation of components makes it easy to maintain and update.

Performance:

Suitable for small to medium-sized inventories. Larger inventories might benefit from database integration.

Limitations:

Operates on a single machine without multi-user support.

Future Enhancements:

* Potential upgrades include database integration, multi-user support, a graphical user interface, and advanced reporting tools.