Point of Sale/Inventory Management System

Project Design Review

Project Requirements

Fast and flexible point of sale system with a focus on inventory management.

Allows inventory to be managed via file, during runtime, and automatically adds/removes items when transactions are recorded.

Start with basics but designed to be expandable as the system grows.

Include updatable message to relay important information as necessary.

Design Insights

Inventory Management

Built in Python

With the Python interpreter, hardware can vary without loss of functionality

Licensing costs are non-existent

Incredibly flexible for future development expansion (easily add online services, connect with databases, share inventory remotely, etc)

File Keeping

Inventory always available:

- ✓ On the hard disk
- ✓ In the program
- ✓ Real-time exports supported

With flexibility to support new attributes or output in additional formats

Point of Sale System

One-to-one replacement of handwritten ledger, recorded in real time

Populates the inventory as items are sold to add items without the need to hand fill the starting inventory

Also easily extensible!

State Diagram