

POS Terminal

(That stands for Point-of-Sales, but what you think of your project is up to you.)

Write a cash register or self-service terminal for some kind of retail location. Obvious choices include a small store, a coffee shop, or a fast food restaurant.

- Your solution must include some kind of a product class with a name, category, description, and price for each item.
- 12 items minimum; they must be stored in a text file your program reads in.
- Present a menu to the user and let them choose an item (by number or letter).
 - Allow the user to choose a quantity for the item ordered.
 - Give the user a line total (item price * quantity).
- Either through a menu or a separate question, allow them to re-display the menu and to complete the purchase.
- Give the subtotal, sales tax, and grand total.
- As for the payment type--cash, credit, or check.
 - For cash, ask the amount tendered and provide change.
 - For check, get the check number.
 - For credit, get the credit card number, expiration, and CW.
- At the end, display a receipt with all items ordered, subtotal, grand total, and appropriate payment info.
- Return to the original menu for a new order. (Hint: you'll want an array or List to keep track of what's been ordered!)

Optional enhancements:

- (Moderate) Include an option to add to the product list, which then outputs to the product file.
- (Hard) Create a full GUI.