Project 2 Proposal

In my final project proposal I am planning on creating a shopping program. In the program there will be a Shopping Cart class, an item class, and a Shop Class. The Item Class will contain several unique item variables for each different Item Object. Each Item Object contains a different price, name and purchase Quantity. Each class, the Item, Shop, and Shopping List Class, contain different and unique methods that the user may use to modify and and affect each different Object from each different Class. The Shopping Cart Class will possess private data variables. Item Count will take several variables into account. The Class will contain private variables such as an item count, the cart's total item price, and the cart's capacity. The user would be allowed access to the each unique and different item in the cart. The Item Class will contain variables such as a name for each specific listed item, a specific price for each listed item, and the quantity/amount of each item purchased by the user. The Shop Class which includes several items such as: an Item Object, the item's name as a variable, and the quantity of the item. Each specific class of the Shopping Program will contain unique and specific classes, methods and variables. The whole program will allow the user to simulate a shopping outing which entails the purchasing of several different items defined in the Item Class. The Shopping Cart Class will consist of an ArrayList. The ArrayList will contain different and several Items defined in the Item class. In addition to the several other classes included in this Shopping Class Program, a Sales Class will be created which would allow the user the opportunity to be able to calculate the different/possible sales included in every Shopping Cart Transaction.

Will there be a graphical user interface to interact with the system? Otherwise, this might be too simple.