

Lab ShoppingCart Inheritance

15 pts.

1. Copy your existing solution for the Online Shopping Cart (ItemToPurchase.java, ShoppingCart.java, and ShoppingCartManager.java) and begin a new project.
2. You will add one file/class to the project: MyInheritedItem.java. This file will meet the following specifications:
 - a. public class MyInheritedItem extends ItemToPurchase.
 - b. Modify ItemToPurchase so its data fields can be inherited (name, description, price, quantity).
 - c. Add two private fields to the new *MyInheritedItem*: one of type String, the second of type int. You decide what they are for.
 - d. Default constructor that calls the super constructor.
 - e. A constructor that initializes all fields of MyInheritedItem. The arguments must be in the following order: String name, String description, int price, int quantity, String yourStr, int yourInt. You decide how you will do this.
 - f. Add a toString() method for your class. This will return a String with all fields (inherited and new).
3. In ShoppingCartManager.java add the following features:
 - a. a menu item with the letter 'm' to add your new item.
 - b. a menu item with the letter 's' that will output all of MyInheritedItem's fields (inherited or new) via your toString() method.