John Krueger

Project 1 Info

1) There were no features that I added outside of the functions laid out in my BookstoreDesign doc; I did however implement some basic input validation at certain prompts (but not all).

2) The one feature that I still would like to add is some kind of check when a user goes to make an order to determine if they are up to date on their premium membership payments. Right now, premium members have a field for whether or not they have paid their membership, but it currently serves little to no purpose.

3) The most challenging part of this assignment was planning ahead every function I would need. I several times was working through the design step by step and realize that I needed another method that I hadn’t planned for (the findPremiumMember(), findMember() and placeOrder() methods were good examples of this).

4) I learned how immensely valuable inheritance was by designing this project without it. Because I needed separate objects for each type of member and inventory item, I needed separate methods for each. For the inventory items, it tripled my code because I needed three getName(), getPrice() etc. methods, one for each object type. With inheritance, I could have had one Product object and with a name and price field, and then extend it with a DVD, CD and book object with only the fields that are unique to those types of products.