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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.