Final Project

Froggy’s Book and Game Store

Froggys Book and Game Store sells Games and Books. You will be creating a point of sale system for the store. Your program will read in the books and games that the store sells from two text files. From that data you will print a menu for the customer to choose from. The customer can choose an item, and a quantity. They can choose as many items as they wish. Once they have completed their purchase, your program will display the subtotals and final total. A receipt will be created as a text file.

**Read the inventory in from text files.** You do not have to worry about how many items the store has in stock. The only thing we are using these files for is to read in product information. Create your code in such a way that if books or games are added to the text files, your program will not have to be re-coded:

Books.txt contains

Item Code, Name of book, Description of Book, Price, Author

Games.txt contains

Item Code, Name of game, Description, price, Rating

**Classes: (you may add fields and methods as you feel are necessary)**

Customer Class: Holds customer name and items to purchase

private String name;  
array of CartItem Objects

CartItem Class: Holds purchased line items

itemPurchased, qty

Product:

private Item Code, ItemName, price, description

Book:

Inherits from Product  
 private author

Game:

Inherits from Product  
 private rating

**Display a menu of items and get appropriate and feedback:**

eg:

**WELCOME TO FROGGY’S BOOK STORE!**

**What is the your name?** Kirsten

**Here is a list of items we have:**

**Games Available:**

**A100 World of Crafting**

**A200 Putt Putt**

**A300 Zombies Surfing**

**Books Available:**

**B100 Pointless Meetings**

**B200 Killer Online Games**

**Which would you like?** A100  
 **You chose World of Crafting. How many would you like?** 2

**Qty: 2  
 Item: World of Crafting**

**Price: 4.95   
 SubTotal: 9.90**

**Would you like another item? Y or N**

**When the user is done with their order:**

1. display the details of their purchase to the console
2. save the details to a text file, the name of the file should be their name (don’t worry about duplicate names)

The details should look like what you would expect on a receipt you receive at a store

It should include:

* Line item, qty, and subtotal of each product
* Subtotal of all items
* Tax amount (Tax rate in Springfield is 7.6%)
* Tax amount plus the subtotal

eg:

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Thank you Kirsten for your purchase at Froggy’s Book and Game Store

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Qty Item Price Total

2 Pointless Meetings $4.95 $9.90

1 Zombies Surfing $15.99 $15.99

Sub total: $25.89

Tax $3.42

Total: $15.99

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