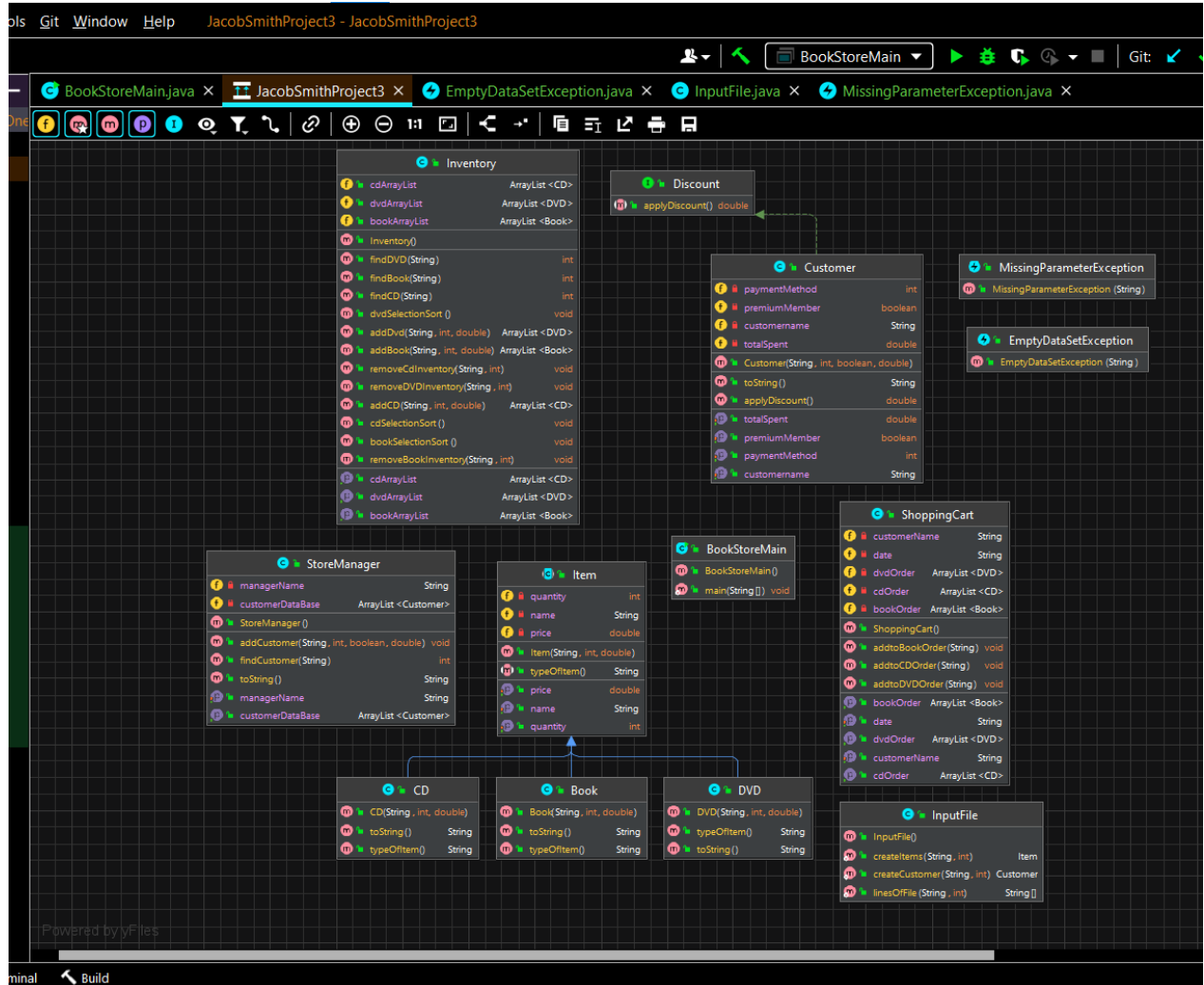# Jacob Smith Project 3

## ITSC 1213

*UML – Update new UML making class for reading in file*



- UML only includes production level code, no test classes are shown in UML
- **Final UML includes InputFile class which controls the Import Data feature under store manager, and two custom Exception Classes**

*Feature Description*

The Product Management System contains 4 distinct functions:

1. Complete a Purchase

2. Register a Premium Member

3. View Inventory / Sort Inventory

4. Store Manager

   a   Import Data Feature

1. Complete a Purchase
   a. When completing a purchase the customer will be asked if he wants to order Books, CDs, or DVDs until him/ her elects to either a) view the shopping cart or b) Exit. Viewing the shopping cart always the customer to see all items they have elected to order and the total cost of that purchase. The customer database managed by the Store manager is simultaneously updated with the total spent by that particular customer.
   b. As customers place items into their shopping cart the inventory tracking system is updated and removes the items that customers add.
2. Register a Premium Member
   a. **Customers must Register in order to complete a purchase in our store. Regardless of status as regular member or premium.**
   b. Customers must enter their name, 8 digit payment number, and chose whether they want to be premium or not. Premium membership cost the customer 10.99.
3. View Inventory
   a. Customers can view a full list of DVDs, CDs and Books in stock.
   b. They can also elect to sort the DVDs, CDs and Books by price low to high to enable them to view items with lower prices first.
4. Store Manager

   a. The manager can store customers in a database which allows him to track memberships, payment methods and total spent by customers who are currently registered with the store.

   b. The manager also has the ability to view inventory before and after a purchase is completed and can add / remove inventory at his/ her discretion.

   c. **Import Data Feature**

      i   For testing, please have your file in the project folder.

      ii  Under the Store Manger function, please chose Import Items/ Customers from file

iii  Chose either items, or customers following menu prompts

iv  Type in the txt file with the txt extension

v  Type in the line you want to import of either item or customer depending on which one.

    1  **<u>Please enter the line number minus ONE</u>**

vi  If Item was added you can view inventory to see your imported item from main book store menu, to see customers added from the import file use view customer database in store manager menu.


\*\* Books, CDs and DVDs when entered by Customers to order or Managers to add/ remove, **MUST BE ENTERED WITH NO SPACES AND BE IDENTICAL TO SPELLING IN INVENTORY**


**\*\*** Customer names, if entering first and last name, **MUST HAVE NO SPACES**