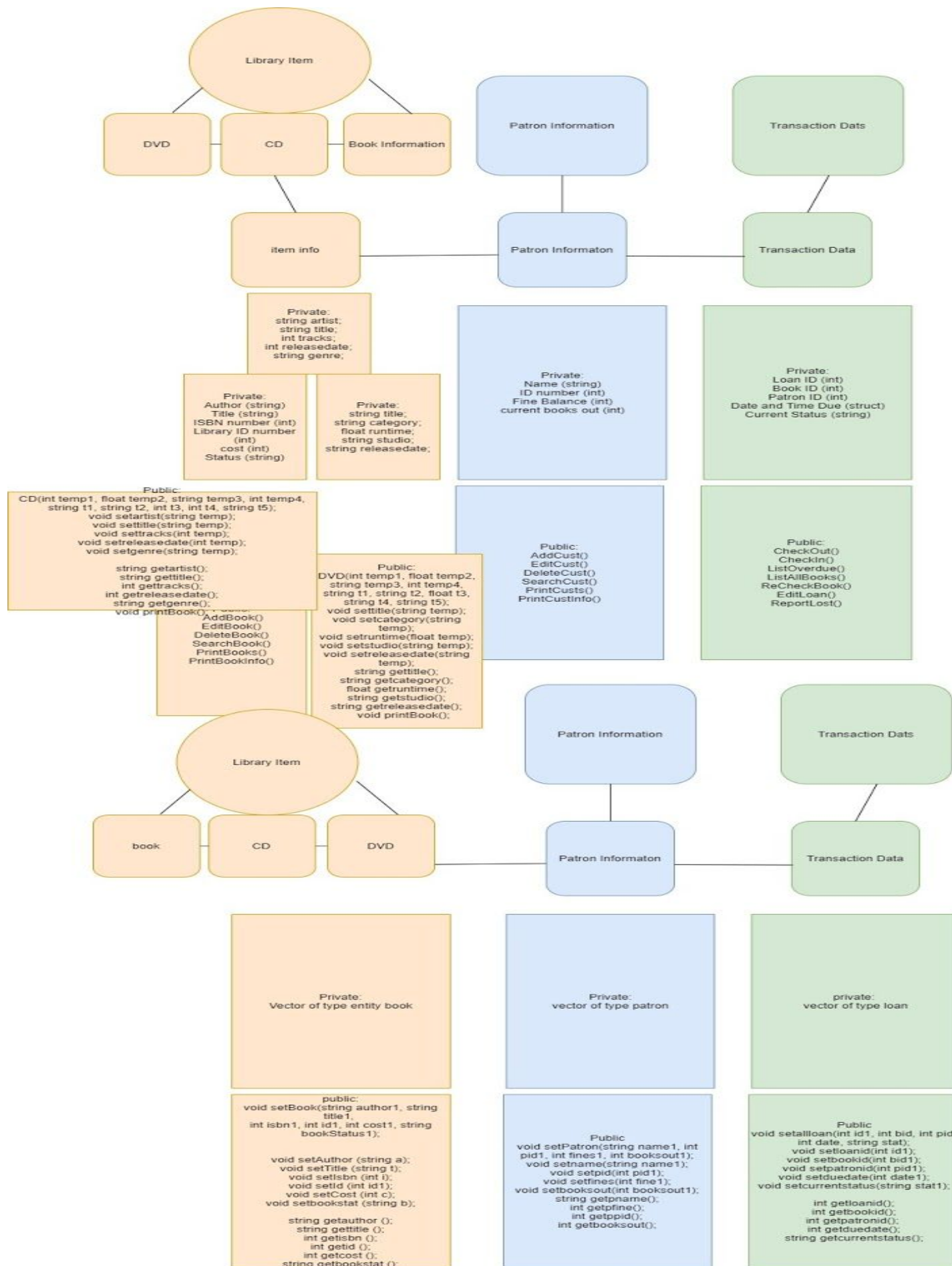


Kaleb Perez
Homework 2
CSCE 1040
Pseudo
Code

```
CD(int temp1, float temp2, string  
temp3, int temp4, string t1, string  
t2, int t3, int t4, string t5);  
void setartist(string temp);  
void setttitle(string temp);  
void settracks(int temp);  
void setreleasedate(int temp);  
void setgenre(string temp);
```

```
string getartist();  
string gettitle();  
int gettracks();  
int getreleasedate();  
string getgenre();  
  
void printBook();
```



- AddBook()

Asks for type of item then asks for all variables held in item

- EditBook will prompt change the info from addbook item one at a time

- DeleteBook will delete all items of a book vector slot

- PrintBooks

- Will print the titles info of all items on vector

- PrintBookInfo

- Will Print all of the info from one book

- AddCust()

- Enter cust name
- Enter custID
- Enter cust fine balance
- Enter current books loaned

- EditCust will give the option to edit all of the information in customers profile •

DeleteCust will delete customer from DataBase based on ID

- SearchCust

- Type in customer's name
- Will use a loop to search cust vector
- Bring up customers id based on name

- PrintCusts

- Will print out a list of all customers on database

- PrintCustInfo

- Will print out all of the information on a specific customer based on their ID

- CheckOut

- Will update customer with a new book on profile
- Will update books profile as checked out
- Will check to make sure customer has less than 6 books checked
- Will add loan

- CheckIn

- Will check for overdue fines at .25c a day
- Will Update cust info as no longer checked out
- Will update book info as no longer checked out
- Will remove loan from customer

- ListOverdue

- Will search book vector for all overdue books
- Will print out all overdue books

- ListAllBooks (will need to change variable name)
 - Will list all of the books currently checked out by particular customer
- Recheck book
 - Will reset the date that the book must be turned in
- EditLoan
 - Will edit the customer's loan status of the book. For example if they want to cancel
- ReportLost
 - Will change books account to lost
 - Will charge price of book to customer
 - Will end loan of book to customer

Homework 4 Report

1. I spent a long time on this assignment, but not as long as on homework three. This assignment only took me about 12 hours instead.
2. I started late, about two weeks ago.
3. I found it difficult, but not as difficult as the last assignment. To me, the most difficult part was adding new functionality to old functions.
4. I was very good about time management this time around, I worked steadily on it every day.
5. I do not understand the question, but in future assignments I will try to do it with less help from TAs, I want to become independent.
6. I had the most trouble completing the loan functions that needed to be adjusted to work for the assignment. I also had trouble with my store and load functions.
7. I have no further comments, but I found inheritance and polymorphism to be very interesting. I think that it has been my favorite unit of this class so far.