

## Library

- to store its address
- to store its name
- to store a list of members(HashMap)
- to add a user to the list
- to remove a user from the list
- to print all members
- to store its available books list(HashMap)
- to print all available books
- to add a book to the list
- to remove a book from the list
- to search a book
- to store all active borrows(HashMap)
- to print all active borrows
- to add a borrow to the list
- to remove a borrow from the list
- send an email if a borrow due date has been surpassed

- String
- HashMap
- Member
- Book
- Borrow

## Book

- to store its name
- to store its author-name
- to output all data in to string function

- String

## Member

- to store its name
- to store its email
- to store its subscription number(I think of this as a string but It can have its own class too)
- to store its subscription date
- to store its borrows(HashMap)
- to add a borrow to the list
- to remove a borrow from the list
- to output all data in to string function

- String
- HashMap
- Borrow

## Borrow

- to store its owner
- to store its book
- to store its starting date
- to store its due date
- to output all data in to string function

- Member
- Book
- Date