**Requirements**

1. Adding a new user to the User List in the Library

- If the user is already a library member, throws an error message.

2. Adding a new book to the Book List in the Library

3. User checks-out a book from the Library

- Max allowed books can be checked out is 5

4. User returns a book to the Library

- Upon return, calculate the penalty for late returns

- Penalty is $0.05 per day

5. User holds a book

- Max allowed holds are 3

6. Searching for a book

- Should be able to search by author name and book name

7. Deleting a book from the Book List

8. Removing a hold on a book

9. Renewing a book

- Max allowed renewals are 3

10. Printing user’s transactions

- Should allow printing of transactions from last 30 days.