The library maintains a collection of books, each having a title, author, ISBN, and availability status. Members of the library can borrow books if they are available. Each member can borrow only up to 3 books at a time. When a member returns a book, it should become available again. Librarians can add new books to the collection and remove books that are outdated or lost. The system must allow the librarian to view the list of available books and see which books are currently checked out and who has borrowed them.

Class: Book

Responsibilities:

UpdateAvailabity - Library

SetBookInformation

Class: Library

Responsibilities:

AddNewBook - Librarian

RemoveBook - Librarian

ValidateCheckOutLimit - Member

Class: Librarian

Responsibilities:

ViewAvailableBooks - Library

ViewCheckedOutBooks - Library

Class: Member

Responsibilities:

BorrowBook - Library

ReturnBook - Library

UpdateTotalBooksChecked