# Introduction

This application is developed as part of a final project of a Rails course work. This is a basic application of user-managed library with the following requirements:

1. Anyone can see all the book titles and ratings in the library
2. You must login to add library books
3. Admin must approve the addition of lib books
4. You must be logged in to rate a book
5. To rate a book you must click on stars
6. You can give a book 1-5 stars
7. You can add a review to any book
8. You can only edit/destroy books you entered into the system
9. If a book has ratings or reviews, you can not destroy it, only deactivate it
10. Deactivated books can not get new reviews or ratings
11. Users can receive emails when their books get rated or reviewed
12. Users can "follow" books - which means they get email notifications on ratings and reviews
13. Users can opt out of all or by book rating emails
14. Users can opt out of all or by book review emails
15. Users can configure their email preferences
16. Users can ask to receive a daily digest of email notifications instead of individual notifications
17. Books must have a picture associated with them to be approved
18. Admins can block users from creating ratings or reviews in the system
19. Books should be searchable by title, author, ISBN, tags, ratings, and reviews
20. Admins can see a report of activities by User:
    * Most active\* users,
    * Users who give the lowest ratings,
    * Users who give the highest ratings,
    * Users who login most often,
    * Users with the most reviews, and
    * Users who enter the most books.
21. Book and review listings are sortable, and paginated (default sort for Books and Reviews is rating)
22. Admins can create/invite other admins
23. Users can invite other users
24. Admins can login as any other user in the system
25. When an Admin logs in as another user, the Admin's activities do not impact the User's activity ratings in the system

# System Design

Following are the basic entities and their relationships:

1. USERS
2. BOOKS
3. REVIEWS
4. Vestibulum condimentum velit sit amet leo. Aliquam vulputate lacinia eros. Vestibulum nonummy. Duis velit. Proin justo. Donec nunc sapien, pellentesque sed, posuere nec, pellentesque sed, ligula. Etiam non ante.