

You Pick I Read

Spec

Requirement Spec

Main Page

Your Book Worm Score 1000

book to read(only one book)

Friends

Book Name

Picker

Due Date

Name

Book Worm Score

Harry Potter

Ruoxi

3/1/2016

Yong

5000

1000 books finished

Chunyu

2000

Book Name

Picker

Finish Date

Pending Invitation

Cat in Hat

Ruoxi

2/1/2016

Name

Book Worm Score

Green Eggs and
Ham

Ruoxi

2/1/2016

Ruoxi

500

Book Page

search book:

Book		1000 people have read the book	
Book Name	<u>Harry Potter</u>	My Friends	
ISBN	1234	Name	Book Worm Score
		<u>Yong</u>	5000
		<u>Chunyu</u>	2000
Author	J. K. Rowling	<u>Ruoxi</u>	500
		Others	
Publish Date	1/1/2000	Name	Book Worm Score
<u>Recommend Book</u>		<u>Ruoxi</u>	500

User Profile

search book:

User Profile		
User Name	<u>Zechen</u>	<u>Send Invitation</u>
First Name	Zechen	<u>Accept Invitation</u>
Last Name	Liu	<u>Decline Invitation</u>
Email	conner@example.com	<u>Remove Friend</u>
Join Date	1/1/2016	

Recommend Book

search book:

Recommend Book “Harry Potter” to my friend

Friend Filter:

Select

Name

Book Worm Score

☐

Yong

5000

☐

Chunyu

2000

☐

Ruoxi

500

Send Recommendation

Cancel

Status

Status

<message>

For example: Your invitation has been sent

Implementation Spec

Model Spec

Book

Book		
Field	Type	Description
Name	String	Book Name
ISBN	String	ISBN Number
Author	String	Book Author
Publish Date	Date	Publish Date

Recommendation

Recommendation		
Field	Type	Description
Book	ForeignKey Book	Book
From User	Reader	The User the Recommendship is from
Comment	Text	Recommendation comment
Date	Date	Date of Recommendation

Recommendship

Recommendship		
Field	Type	Description
Recommendation	Foreign Key Recommendation	Recommendation/s in the Recommendation
To User	Foreign Key Reader	The user the Recommendation is for

Friendship

Reader		
Field	Type	Description
From User	auth user	The user the friendship is from
To User	auth user	The user that receives the friendship
Date	Date	The date of when the friendship was established
Status	Integer	Status of the friendship sent/accept/decline/expire

Readbook

Reader		
Field	Type	Description
User	Foreignkey auth user	User
Book	Foreignkey Book	Book
Date	Date	The date of when the book was read

Test Spec

Test Scenario For Model

1. User
 - a. add user
 - b. change user
 - c. search user by username
2. Book
 - a. add book
 - b. edit book
 - c. delete book
 - d. search book by name
3. Recommendation
 - a. make recommendation
 - b. search recommendation by book, from_user
 - c. filter by date
4. RecommendShip
 - a. make recommendship
 - b. search by recommendation by to_user
5. FriendShip
 - a. send friendship
 - b. change status: accept/expire/decline friendship
 - c. delete friendship
 - d. search by from_user, to_user, status

6. ReadBook

- a. make readbook
- b. search by user, book
- c. filter date

7. Use Model

- a. book to read for a user
- b. books finished for a user
- c. friends for a user
- d. number of reader for a book
- e. friend readers for a book/a user
- f. other readers for a book/a user
- g. pending invitation for a user
- h. worm score

Backup

Reader

Reader		
Field	Type	Description
User	OneToOne auth user	authentication/authorization
Friends	ManyToMany Reader	Friends