Module 1 - Assignment 2

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Book Page Entity-Attribute

Book
- Book name
- Pages
- Ratings
- Reviews
- Author
- Publications
- Genre
- Price
- Edition
- Publish Date
- Description
- Series
- User already_read
- no. of user shelved
- Similar Books

Comment
- User name
- Date

Rating
- No. Of Stars
- User Name
- Book

Publication
- Publication Name
- Books

User
- User Name
- is_author
- Friends
- Books Shelved
- Books Read
- Books Reading
- Books to be Read
- No. Of followers
- No. Of reviews

Author
- Name
- Books
- Followers

Genre
- Genre Name
- Books

Review
- User Name
- Book Name
- Comment
- Likes
- Date

Book Page Relationships

Book can have zero to many reviews.
Book can have zero to many ratings.
Book must have at least one to many authors.
Book must have at least one to many publications.
Book must have at least one to many genre.
Book must have at least one to many editions.
Book can be part of zero to many series.
Book can be shelved by zero to many users.
Book can be read by zero to many users.

Rating can be given to zero to many books
Rating can be given by zero to many users

Author can have written zero to many books
Author can have zero to many followers

Publication can have zero to many books

Genre can have zero to many books

User can have zero to many friends
User can have read zero to many books
User can have shelved zero to many books
User can be reading zero to many books
User can have zero to many books in to_read
User can have zero to many followers

A review can be given to one and only one book.
A single review can be given by one and only one person.
A review can have zero to many comments.
A review can have zero to many likes.

Book Page Constraints

User can only give one rating to a book
User can give one review to a book
A review can be given by only one person
A edition of a book can only be published once
Rating can only be given by registered user
Review can only be given by registered user
User / Author can only be followed by registered user
Comment can be given by a registered user

Book Page Actions

User purchasing a book
User reviewing a book
User shelving a book
User reading a book
User rating a book
User following another user
User commenting on review
Author uploading a book / Edition
User following Author
User recommending a book

User's Book Review Page Entity-Attribute

Book
- Book name
- Ratings
- Reviews
- Author
- Series

Review
- User Name
- Book Name
- Comment
- LIkes
- Date

User
- User Name
- is_author
- Review
- Rating
- Shelved Date
- Start Reading
- Finish Reading

Comment
- User name
- Replies
- Date

User's Book Review Page Relationships

Book can have one and only one review.

Book can have one and only one rating.

Book must have at least one to many authors.

Book can be part of zero to many series.

Rating can be given to one and only book

Review can have zero to many likes.

Review can have zero to many comments.

Review can be given by one and only one user.

User can have one and only one user name
User can give one and only one review
User can give one and only one rating

Comment can have one and only one user
Comment can have zero to many replies
Comment can have one and only one date

User's Book Review Page Constraints

User can only give one rating to a book
User can give one review to a book
User can only by followed by a registered user
A review can be given by only one person
A review can only have one date
Review can only be liked by registered user
Comment can only be given by a registered user
Comment can only by flagged by a registered user
Reply on comment can only by given by a registered user

User's Book Review Page Actions

User liking a review
user following updates on review
User sharing review on facebook
User commenting on Review
User replying on comment

User flagging a comment
User rating a book
user changing reading status of the book
user adding book to shelf

Author Page Entity-Attribute

Author

Name
Dob
Website
Genre
Followers
Books
Videos
Quotes
Author Q/A
Member
Registered_Author
Firends
Read Books
Shelved Books
To Read Books
Series

Book

Name
Rating
Reviews
Published_Date
Editions

Related News

Likes
Comments

Series

Rating
No. Of books

Quotes

Author Name
Book Name
Likes

Blogs

Author
Likes
Comments
Date Published

Author Page Relationships

Author can have a one and only one name.

Author can have one and only one DOB.

Author can have zero to many websites.

Author can have zero to many Social Media accounts

Author can have zero to many Genre.

Author can have zero to many followers.

Author can have zero to many books

Author can have zero to many videos.

Author can have zero to many quotes.

Author can have zero to many Q/A answered.

Author can have zero to many friends.

Author can have read zero to many books.

Author can have zero to many shelved books.

Author can have zero to many to read books.

Author can have zero to many series's.

Book can have one and only one name.

Book can have zero to many ratings.

Book can have zero to many reviews.

Book can have one and only one publish date.

Book can have one to many editions.

A quote can be given by one and only one author.

A quote can be from one or many books

A quote can have zero to many likes.

Blog can be written by one and only one author.

Blog can have zero to many likes.

Blog can have zero to many comments.

Blog can have one and only one publish date.

Related News can have can be about one to many authors.

Related News can have zero to many Likes

Related News can have zero to many comments.

Series must have at least one to many books in it.

Series can have zero to many ratings.

Author Page Constraints

Author can have one DOB.

Author can have one Member Since Date

Author can have one Place of birth.

Registered user can like author's blogs

Registered user can comment on author's blogs

Registered user can like author's blogs

Registered user can like author's quotes

Registered user can vote on author's polls

Data of only those authors can be edited who are registered on website.

Only users with librarian status can edit book and author data.

Author Page Actions

Following Author
Liking Author's Blogs
Liking Author's quotes
Commenting on Author's Blogs
Sharing Author's Blogs
Editing Author's info
user changing reading status of the book
user adding book to shelf
user rating the book
Flagging author's blog