Notifications
-message:String
-date:String

(top partial class)
-date:String
-isRead:Boolean

ExportData

-fileType:String
-data:JSON

User

-username:String
-email:String
-password:String
-profilePicture:String
-bio:String
-friends:ArrayList
-notifications:ArrayList<Notification>

+addFriend():void
+joinClub():void

Calendar

-events:Hashmap<Date, String>

-id:String

+addNotification():void

SocialSystem

-polls:Hashmap<String, int>
-chat:ArrayList<String>

Bookclub

-name:string
-picture:String
-bio:String
-currentBook:Book
-bio:String

-bookshelf:Bookshelf
-mods:ArrayList<User>
-members:ArrayList<User>

+addAdmin():void
+editBookshelf():void
-addMember():void

ClubFinder

-clubs:ArrayList<BookClub>

-suggestBooks():ArrayList<Book>
-getClubs(location:String):ArrayList<Bookclub>

Book

-title:String
-author:String
-genre:String
-availability:Boolean
-price:Double
-ISBN:String

Bookshelf

-clubId:String
-books:ArrayList<Book>
-progress:Hashmap<Book, Double>
-challenges:ArrayList<Challenges>

+addBook():void

0..*
1
1
1
1
1
0..*
0..*
0..*
1
1
1
1
1
1
0..*
1

+addChallenge():void

1

0..*

Challenges

-name:String
startDate:String
-dueDate:String

-description:String