Short overview:

The library is a public place that can be accessed by members and librarians. The database of the library can be accessed by members to find books, authors, categories and media. By librarians who can access books, authors, category, media and donations. Then managers have access to the whole database.

Business rules:

1)A member can checkout one or many books.

2) One book can only be checked out by one member at a time.

3) Each book belongs to one category.

4) One category can contain one or many books.

5) Many books can be stocked by many librarians.

6) Many librarians can stock many books.

7) Each book is written by one author.

8) One author can write one or many books.

9) Many medias can be by many librarians.

10) Many librarians can stock many medias.

11) Each media can be in one category.

12) One category can have one or many medias.

13) Each member can checkout one or many medias.

14) One or many medias can be checked out by one member at a time.

15) One librarian can be a manager.

16) Not all librarians are managers.

17) One member can make one or many donations.

18) One or many donations can be made by only one member.

19) Not all members have to donate.

20) Each donation can be zero or many books.

21) Each donation can be zero or many medias.

22) One member can donate many books; however, each book is counted as one separate donation.

23) If one member donates only books a media id is null.

24) If one member donates only media a book id is null.

25) Many media can be stocked by many librarians.

26) Many librarians can stock many media.

