A library uses the library of congress classification system to organize their collections. Each book receives call number that works like an address, you can use the call number to

Find the exact location of a book on the shelves. Every book has a unique call number and different numbers are organized by their topics.

There are many problems encountered during this system such as:

* As time passes and new copies and new skill book are been added into the library which occupies space and may cause the library to get rid of some of their books in other to leave space for the new once
* Books in the library are very limited in the sense that readers cannot read one book simultaneously so if a book is being borrowed by a reader or if all the copies in stock are being collected another reader cannot have access to the book the reader will be force to either take a different book if needed or he goes and come back the other user are don
* A library will need to be arrange every time because in cost of refunding a book the user can change the position of the books which causes a problem to the librarian in the fack that he may be having a wrong number of book in a shelve and some missing books in his note
* Books can be spoiled by some insect and rats when they are being kept in the library which causes lost of copies
* Due to the large space a library can occupy it will receive high taxes place by the government
* Users require an efficient method for finding a specific book or keyword within a book given a continuously expanding library

The envisioned library database system provides a user the ability to submit a new book to database and upload its textual contents.

The objective of a library information system is to manage the details of book, library, journals, magazine, transaction, User , Faculty bill, study book, author, account state, account

Each book should have : bookID, author, name, edition, date of purchase, language, piblicationdate, numberofpages. Each user in the library should have an account in other to have access to the book in the library. The library should have a name and an address and each library should have a catalogue of their books so that user can search their book. Each user should have an accountstate. The important things about the author you should now is the name and biography

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| --- |
| Labrary |
| Name  address |

|  |
| --- |
| book |
| bookID  author  name  edition  dateofpurchase  language  publicationdate |

|  |
| --- |
| Autor |
| Name  Biography |

|  |
| --- |
| User |
| Name  Address |

|  |
| --- |
| Account |
| Accountnumber  State  opendate |

|  |
| --- |
| Accountstade |
| active  Inactive  disable |