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DESCRIPTION OF USE CASES

1) Manage account
   i)   Actors:
         User/admin,system
   ii)   Entry conditions:
         To create a new account, you have to first log out and also the pin should be of 6 digit.
         For logout, the user/admin should be first logged in
   iii) Flow
         a) User/admin enter his id and 6-digit pin
         b) He gets logged in
   iv)   Exit conditions
         Any changes made the user is saved in the system

2) Search catalog
   i)   Actors:
         User/admin,system
   ii)   Entry conditions
         User/admin should be logged in
   iii) Flow
         a) User/admin chooses option:
          2.1 search by item name
          2.2 search by author name
         b) he is shown the required copies
   iv)   Exit conditions:
         None

3) Reserve book
   i)   Actors:
         User/admin,system
   ii)   Entry conditions:
         User should be logged in
         Admin cannot reserve a book
   iii) Flow
   iv)   Exit conditions
         Book is successfully reserved

4) Release book
   i)   Actors:
         User,system

Entry conditions a)user gives the book Id to reserve
b)book is reserved if its copy is available

ii)

User should be logged in and the mentioned id should be reserved in his account

Admin cannot reserve a book

iii)   Flow

a)user gives the book Id to release
b)book is reserved if its copy is available

iv)   Exit conditions

Book is successfully released

ASSUMPTIONS

- Assuming that there is only 1 admin whose id is "admin" and pin is "000000"
- Searching allowed when logged out
- But reserve and release not allowed when user is logged out
- Admin cannot reserve or release a book
- The code does not differentiate btw Audio,periodicals…..
- Since the id of every copy is unique , the no. of copies is always shown as 1
- Whenever the code is run:
  - ➢ The database of books and users have some entries in them
  - ➢ No user is logged in