

Library Management System

User Types:

- Librarian
- General User

Auth Features:

- Librarian will have the 'admin' level access to the system
 - No registration for Librarian (only an existing librarian can create another librarian from his/her dashboard)
 - Login
 - Forgot Password
 - Librarian can manually 'ban' or 'un-ban' a General user to restrict his/her access to the system
- General Users
 - Registration
 - Login
 - Forgot Password

Main Features:

- Librarian can create, edit, delete books to the library
- Books should have at least the following data
 - Name
 - Author (multiple)
 - Name
 - Role
 - Image (optional)
 - Publication Name
 - ISBN number
 - Genre

* Add other data(if needed)

* Remember: Books can have multiple copies

- A general user can search the book list to see available books. He/she can filter the list by:
 - Book Name
 - Author Name
 - Publication Name
 - Genre
- A general user can submit a loan request for a book. Remember the following conditions here:
 - A user can lend book for 30 days
 - A user can not have more than 2 books in loan at a time. That means:
 - A user can not submit a loan request with 3 or more books in a single request
 - If a user already have a book lended earlier, now he/she can submit a loan request for only 1 book, not more than that
 - If a copy of a book is already lended or in a pending request will be unavailable for other users
- Librarians can approve a loan request or deny it.
- Librarian can see a details list of currently lended books and available books
- A general user can submit a return request for the book he/she lended
- Librarians can approve a return request or deny it.
- If a general user is failed to return a book within 60 days, his/her account will be automatically banned

Send mail to a user at the following occurrences:

- When a book lending request is approved by the librarian
- 15 days after lending a book (if not already returned) with a message to remind him/her, if he/she is making progress on reading the book
- 30 days after lending a book (if not already returned) to remind to return the book
- 58 days after lending a book (if not already returned) with a message that his/her account will be banned after 2 days, if he/she doesn't return the book
- 61 days after lending a book (if not already returned) with a message that his/her account is banned

Extended Features:

- A general user can add a book to wishlist, if the book is not available at the moment to lend, so that he/she will get a mail as soon as the book is returned.
- Build RESTful API for the same features for a mobile application.