

1. Routes and Description:

Route(endpoint)	Description
/login	Separate Login for admin and Librarians separately. Admin can create/update/delete Libraries and user logins for Librarians. Whereas Librarians can conduct all the other functions
admin/libraries	After logging in admin sees this page which lists Libraries list.
admin/add_library	Page to add New Library
admin/libraries/<int:library_id>	Edit Library
librarian/library_books	List of librarybooks
librarian/library_books/<int:library_book_id>	Edit Library books
/books	List all the books and its details.
/books/<int:book_id>	Edit Books details
/user_checkout_books	List of librarybooks checked out to a User
/library_checkout_books	List of librarybooks checked out from Library

5. Outline how to improve this service by adding authentication

- By adding separate logins for people who will access all libraries and people who are responsible for single library can prevent many unauthorized access, removal of data.
- We can start with user authentication, group and user permissions.

6. Outline questions to ask product's owner

- It looks like the libraryactivity is a single activity where we can change the activity_type, checked_out_time and checked_in_time but why is "last_library_activity_id" being used in library_boooks table.
- Whether the books added by a librarian in "books" table will be visible to all other librarians?
- If visible, then there should be a search API to search by book title or isbn_num or author.
- Will it be useful if we can add a time period like 10 or 15 days in which the user has to return the book. Else based on checked_out_time, we can send email to user(for this we need to add email field in the LibraryUsers table) to return book at earliest?
- Will the database contain book cover images, which can improve the user experience?