Author :

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I am seeking a challenging position in a reputable organization to expand and utilize my learning, skills and knowledge. Possess excellent communication skills and have an eye for detail. Flexible to work in any environment as required.

Description :

This project mainly contains two parts in which one is the librarian part where we can register and login to create a section and file and to modify it according to requirement. And another part is the user where anyone can register and login to issue ant files from any section. These contain some other features too.

Technologies used :

1. Flask - for application code
2 Bootstrap for HTML generation and styling.
3. SQLite and SQLAlchemy for data storage.
4. Vue js using CLI for frontend implementation

DB Schema Design :

This project's database contain 5 schema that is **User, Librarian, Section, Book, Issue**. In this there is one to many relationship between section to book and book and issue. The attribute of Book table is given below:

Book_id: It store the id of book
Book _name: It contain name of book
Section: it store the section in which this files are there

API Design :

I have implemented the API functionality mainly to establish the connection between frontend and backend data.

Architecture and Features :

a. The project is organized using the Model-View-Controller (MVC) architecture, with the controllers handling logic and routing, templates for displaying views, and models for interacting with the database.

b. User can able to :

       Issue multiple files and books and view it.

       Can search the files on based of name and so on

c. Librarian can able to:

       Create section and files and can modify it easily

       Can approved or reject the files which is requested by users

Video :

📄 **MAD_2_Library_management_app.mp4**