# LIBRARY MANAGEMENT APPLICATION

## Author

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## Project Description

It is an E-book management store where user can request and read book after approval for a specific period of time. It has one librarian who can manage books and give approval to read books.

## Technologies Used

1. Flask for designing Api
2. Vuejs2 for frontend
3. Bootstrap CSS framework
4. SQLite and SQLAlchemy for Data Storage and Querying through data.
5. Celery for scheduled jobs,backend jobs and Caching
6. Smtplib for email server

## DB Schema

Database has 4 tables

1. **User:** ID, Name, Password, Email, Visited, UserName
2. **Section:** ID, Name, Description, DateCreated
3. **Books:** ID, Name, Description,Section, Author, Price, Ratings
4. **Book_Catalogue:** ID, BookId, SectionId, IssueDate, ReturnDate, LastDate

## Architecture And Features

The project is divided into many subfolders and files - application, db_directory, static, templates, app.py, The directory - application contains all the python files required to run the application. All the html files to render are stored in the templates folders. The db_directory directory stores the database for the application namely database.sqlite3. The static folder contains all the other items like images used in the application. Static files also contains javascript file which is used for frontend application. The file app.py is the main file for hosting the application.

Video
https://drive.google.com/file/d/1Nkq949DwEOUon_6k7HZwiQc9OQo_mqyM/view?usp=sharing