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I am a student of the online degree program at IITM for Data Science and currently In the Diploma level.

Description

My project topic is E-Library (Library Management System v2), is a multi-user application to issue e-book. Librarians can add, edit, delete e-books. Users can read, buy and give feedbacks.

Technologies used

- Vue-JS
- Flask
- Flask SQL-Alchemy
- Redis
- Celery

DB Schema Design

- Users(Id, Name, Email, Password, Authorisation, LastLogin)
- Sections(Id, Name, Description, AdminId)
- Books(Id, Name, SectionId, SectionName, Author, Content, Price, DateIssued)
- MyBooks(Id, UserId, BookId, DateIssued, RevokeDate, Revoked, Total)
- Feedback(Id, BookId, UserId, Feedback, Verified)

Features

- The Librarian can add, remove and edit different sections and books in each section. Only the Librarian is allowed these operations with access to the Admin authorisation.
- The User can directly buy various books from different sections at a single time for 7 days. Users can browse through all the available sections added by the admin and read feedback of all books. Users can give feedbacks to any book.
- Librarian gets a monthly report on his mail in HTML format.
- Users get a mail as daily alert for login.
- Users can download their E-book in HTML format.

Video

https://drive.google.com/file/d/1sE_1yH78Z04DKW37Tvd7-pggdi07Ysur/view?usp=sharing