

# Author

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Couple of lines about me : I am from TamilNadu,Namakkal town. My background is farming .Due to my family conditions I am unable to do my regular degree, But I came to know about IITM Online Degree in DataScience and Programming and I took this course on JAN 2022 and this is my third year in this course.

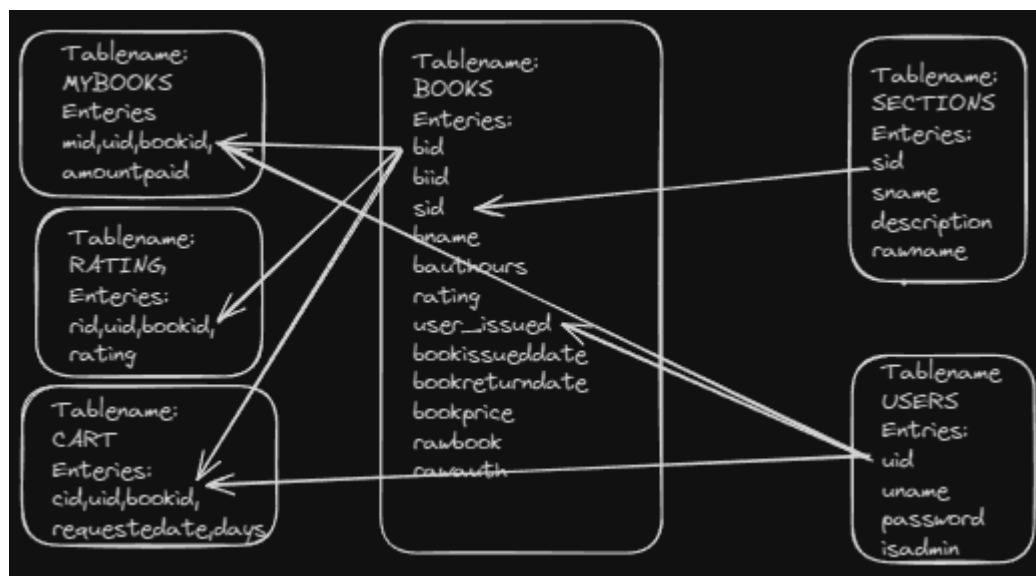
## Description

This Project is about E-Library. There are two types of users, one is Librarian and other one is user.A Librarian who can add,delete,update sections/ebooks, issue/revoke a book provided to a user and users who can register and login and request/return books.

## Technologies used

- 1)Flask for application code
- 2)SQLite for DateStorage
- 3)jinja2 templates+Bootstrap for HTML generation and styling
- 4)matplotlib.pyplot to plot graph

## DB Schema Design



The reason behind the schema design is the most efficient way of my idea in making the Library Management app work better

# API Design

CURD on sections/ebooks

The elements of api are as follows:

End point : [http://localhost:5000/api/getbooks/<int:sec\\_id>](http://localhost:5000/api/getbooks/<int:sec_id>)

Methods : POST,DELETE,PUT,GET

Parameters : section id which is an integer

Response Codes : 200 for success

Response Bodies : JASON

## Architecture and Features

The Features of the app are :

- 1)Separate Login page for user and Librian.
- 2)Both auto and manual revoke are available.
- 3)The user can buy the book pdf for an amount.
- 4)Book return date is provided for requesting books.
- 5)Statistics Page for Librarian to know the top rated books.

## Video

Recorded Video Link:

<https://drive.google.com/file/d/1rPAInYh7VXIh5cNdVqM7SI1m8Fd0ScsF/view?usp=sharing>