

Library Management System Web App

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Description:

This app is a multi-user web app for Issuing e-books to and uploading e-books.

To create this app, I followed the app wireframe and the guidelines provided by appdev1 instructors and the following steps:-

Creating the database schema of the app and tables using flask-sqlalchemy.

Creating the flask app instance and html pages using bootstrap templates.

Creating all the required routes to link the app to the database. A simple login framework with hashed passwords stored in the database.

Adding css styling to the web pages.

Frameworks Used:

Flask - this web application is built on flask.

Jinja2 Templates - the web pages use jinja2 syntax to generate dynamic content.

Bootstrap - for templates of the web pages.

SQLite3 - to create the database structure for the app.

Flask-SQLAlchemy - to create and manage the relational database for the app.

Database:

Database models/tables for the app are created using flask-sqlalchemy.

There are 7 Tables used in the database: User ,Admin ,Book, Section, Book_in_section, Requested_book , Feedback.

Feedback has relationship with user and book

Book has relation with request book

There are seprate database table for admin and user

Presentation Video Link:

https://drive.google.com/file/d/1JfK9resY06e34pfrZRd3g5ky-45Hu1tl/view?usp=drive_link