Bookify: Ticket Show Application

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Introduction:
Bookify is a user-friendly ticket booking application that streamlines the process of booking show tickets for various movies and shows, while enabling admin users to create and manage venues and shows with ease.

Website Breakdown:
The system accommodates two main types of users: admin and customers. Upon navigating to the website's URL, users are greeted with a minimalist landing page that presents a clear pathway for accessing the platform's features. Users can login as either an admin or customer by selecting the appropriate option after clicking the "Get Started" button.

Admin users must enter their login credentials upon selecting the admin option. Once authenticated, they are directed to a streamlined and visually appealing UI, where they can view previously registered venues and shows. Admin users are granted the ability to add new venues or shows, edit existing records, and delete outdated venues or shows.

Customers are redirected to a page where they can search for different shows based on venue and tag filters. After selecting a tag, customers are presented with a list of movies associated with the selected tag. From there, they can choose their preferred movie location and indicate the number of tickets they wish to purchase. The platform calculates the total price and confirms the transaction, providing customers with the option to book additional tickets.

Overall, Bookify simplifies the process of booking show tickets and managing venues and shows, providing an intuitive and efficient platform for users to access the services they need.

Code Documentation:
The codebase for this website is developed using Python language with Flask framework, which offers flexibility and ease of development.
To create a visually appealing frontend, HTML pages are utilized with Jinja2 templating.
For styling purposes, Bootstrap and CSS are implemented.
CRUD operations for venue and show management are performed using an API developed with Flask framework.
To handle HTTP requests from the client side, a Javascript script file is integrated into the system.
All the data generated by the system is stored in a SQLite3 database, which includes the following tables for :

1. Admin Details
2. Customer Details
3. Venues
4. Shows
5. Association table between venues and shows.

Repository Breakdown:
The root repository contains the main file, app.py, which serves as the entry point to run the website.
The Application folder, located within the root folder, consists of all the Python files required to run the application.
The templates folder holds all the HTML templates that are dynamically rendered by the Python scripts.
To support the dynamic frontend, the static folder is utilized, which contains images, CSS style files, and a Javascript script file.
Finally, the db_dir folder holds the database for the application.

Link to video: Bookify.mp4

Checklist:

1. Admin login and User login
2. Venue Management
3. Show Management
4. Booking show tickets
5. Search for shows/venues
6. APIs for interaction with venues and shows: API to handle POST and PUT requests.
7. Styling and Aesthetics : Used Bootstrap and CSS.