

PROJECT REPORT OF MOVIE TICKET BOOKING APP

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Description:

This project is platform for booking Movie Tickets for Shows, where User can register and login to book Movie Tickets and Admin can Create, Read, Update and delete the Venues and Shows.

Technologies used:

1. Flask - for application code
2. Jinja2 templates , Bootstrap, CSS for HTML generation and styling.
3. SQLite and SQLAlchemy for data storage.

Architecture and Features:

- a. The project is organized using the Model-View-Controller (MVC) architecture, with the controllers handling logic and routing, templates for display and models for interacting with a database.
- b. Features implemented include:

1. New user can register and login and Existing user login (using Username and Password).
2. User login
After creating the new user , user can be able to login and be able to book Shows allocated in particular Venues according to his/her interest.
3. Admin login

The Admin username and password is created in sql database. In Admin dashboard the Admin can add, remove, update and view the shows and venues.

DB schema design:

The database has server models/labels created.

The database is designed to store the user information, venues, shows and booking details.

The database has several tables created using SQLAlchemy ORM. The schema includes:

User: stores the user's information, including username, password.

Show: stores information about each show, including the show's name, rating, tags date, time, and venue.

Booking: stores information about each booking made by a user, including the user ID, the show ID, the Venue ID and the number of tickets booked.

Challenges faced:

The major challenge faced during the development of this project was implementing the user and admin login systems. It required careful planning and implementation to ensure that the login process was secure and robust. Another challenge was designing the database schema to support the various features of the platform while maintaining data integrity.

Future improvements:

The project can be improved by adding more features such as payment integration, user profiles, and social media sharing. Additionally, the user interface can be improved to enhance user experience.

Conclusions:

In conclusion, this project was successful in creating a platform for booking tickets for shows. The MVC architecture and use of Flask, Jinja2, and SQLAlchemy made the development process efficient and effective. The project can be improved in the future by adding more features and improving the user interface.

Project Video Link:

https://drive.google.com/file/d/1bqfDtN--VjBfccweYngZ764P3pWbVr0x/view?usp=share_link