Project Documentation: Ticket Booking Website

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Description:

The project is a comprehensive online ticket booking system that enables users to browse, search, and book tickets for various shows and events. It features user authentication, show details, booking functionality, and search capabilities for both shows and venues. The system enhances the user experience by providing a user-friendly interface and efficient booking process.

Technologies used:

Frontend: HTML, CSS, Vue.js , Bootstrap

Backend: Flask, Flask_SQLAlchemy, Flask_Login

Architecture:

The project embodies contemporary web application architecture. Vue.js empowers dynamic, responsive frontends, complemented by HTML, CSS, and Bootstrap for enhanced user experience. On the backend, Flask utilizes Flask_SQLAlchemy for database management and Flask_Login for user authentication. This framework ensures smooth client-server interaction, enabling efficient data manipulation. Vue.js and Flask synergy grants real-time updates and a user-friendly interface, optimizing performance and usability. The project structure includes application files (controllers.py, models.py,api.py, config.py, database.py, tasks.y,validation.py) , templates,static,csv_directory.
db_directory with the SQLite database (database.sqlite3)
readme.md guide
The requirements.txt enlists essential Python libraries.

Features:

Default Features:

User login and registration

Search for shows

Book tickets

Additional Features:

Admin login

Admin can add, Edit, Delete venues and shows

Scheduled Job- Monthly Entertainment Report, Daily Reminder Jobs

Conclusion:

the development of this project has resulted in a sophisticated and efficient web application that seamlessly integrates frontend and backend technologies. The utilization of Vue.js, HTML, CSS, and Bootstrap on the frontend ensures an engaging and responsive user interface, enhancing user interaction. On the backend, Flask, coupled with Flask_SQLAlchemy and Flask_Login, facilitates secure user authentication and efficient database management, providing a robust foundation for data handling.

The project's architecture enables real-time updates, ensuring users receive dynamic and up-to-date information. The successful integration of these technologies has culminated in a user-friendly and feature-rich application that empowers users to browse, search, book tickets, and access their booking history with ease. This project not only demonstrates the effective combination of various technologies but also showcases the potential for creating modern and user-centric web applications that cater to a seamless and satisfying user experience.

Video

https://drive.google.com/file/d/1CgF64

xck1dgb0nQ9Q6ffzldNoi2byWfl/view?u

sp=drivesdk