

Ticket Show App - V2 Report

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Description:

Ticket Show App is a dynamic web application built using Vue.js and Python-Flask. It allows users to discover and book tickets for various shows and events. Users can explore different venues, shows and bookings. The app includes a Rest API adhering to OpenAPI Specifications for limited data modification.

Technologies Used:

- **OS :** For giving the path of the database and folders.
- **Python:** Responsible for backend development and acting as the host programming language.
- **Vue.js:** Used for creating the interactive and dynamic frontend of the app.
- **HTML:** Developing the Vue components and templates for the app's user interface.
- **CSS:** Styling the web pages to enhance the visual appeal and user experience.
- **Bootstrap: Utilized** to ensure a responsive and user-friendly frontend design.
- **SQLite:** Serving as the database to manage and store app-related data efficiently.
- **Flask:** Serving as the web framework to handle requests and responses seamlessly.
- **Flask-Restful:** Building a robust RESTful API for smooth data interaction with the frontend.
- **Flask-SQLAlchemy:** Providing easy access and modification of data stored in the SQLite database.
- **Flask-Celery:** Enabling asynchronous background jobs to optimize backend performance.
- **Flask-Caching:** Implementing caching for API outputs to improve app performance.
- **Redis:** Employed as an in-memory database for API cache and as a message broker for celery tasks.

Database Schema Design:-

User	
Id	Integer
Email	String
Username	String
Password	String
Roles	

Role	
Id	Integer
Name	String

Venue	
vu_id	Integer
venue_id	Integer
venue_name	String
venue_location	String
venue_capacity	Integer

Show	
su_id	Integer
show_id	Integer
show_name	String
show_timing	DateTime
show_rating	Float
show_genre	String
show_ticketprice	Integer
available_tickets	Integer
bookings	

Booking	
booking_id	Integer
booking_tickets	Integer
user_id	Integer
show_id	Integer
user_rating	Integer

Architecture and Features: The Project is a comprehensive social media app with user authentication, personalized feeds, post analytics, and content management. It allows users to create, view, edit, and delete venue and shows. The app offers user-specific API tokens, enabling personalized requests. The app also provides data export options to download user posts and analytics as CSV files. Additionally, users receive daily reminders to post and monthly engagement reports via email or PDF.

Video Link:-

<https://drive.google.com/file/d/1RcQllrX6zJalT1ucG3cKPf6WJL34YkAJ/view?usp=sharing>