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I am an Electronics and telecommunications engineer from Mumbai, with keen interest in tech and computers.

Description

The project is a Ticket Show app where you can book movie tickets as a customer with interactive interface as well as manage the venue as a manager from adding to editing the shows which is being broadcasted.

Technologies used

I have used the following:

Backend:

PYTHON: Coding

FLASK : Application Framework

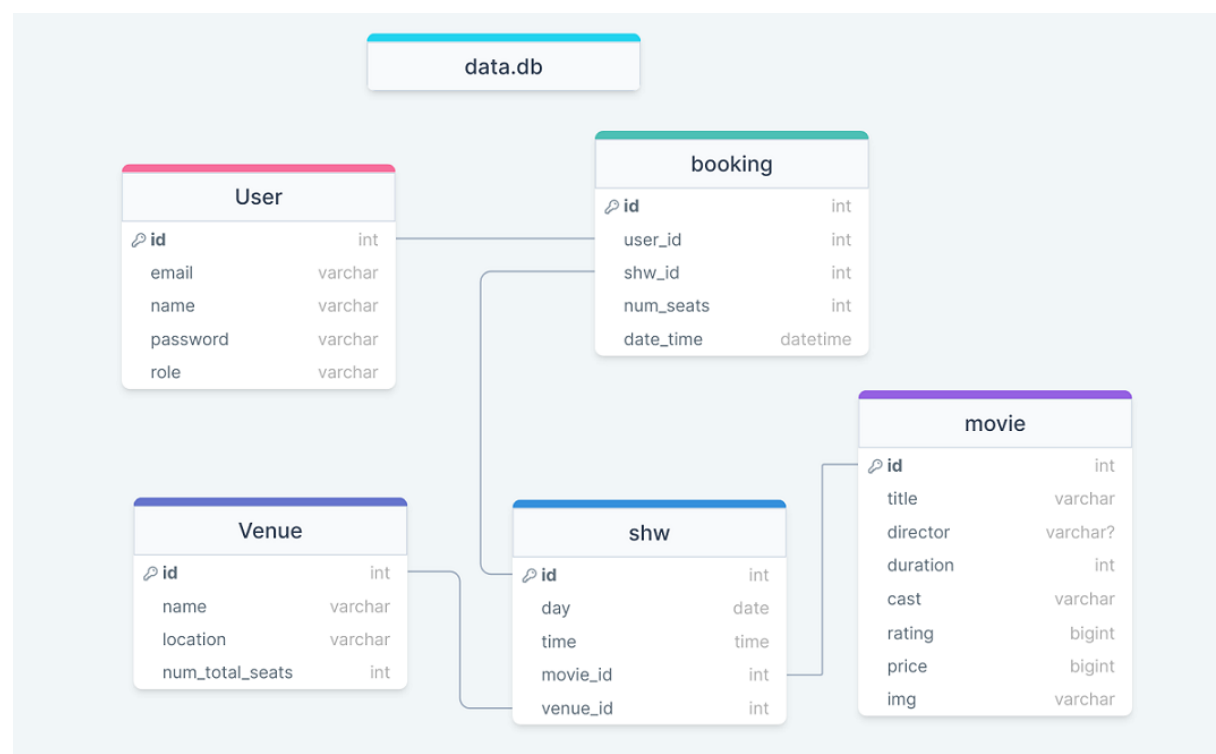
FLASK-Login: User authentication and authorization.

FLASK-Sqlalchemy: for creating database models

datetime: for date datatype

Frontend: HTML, CSS, JS

DB Schema Design



There are 5 tables in the database, User store the login/sign-in data and also the role of the user, the movie table contains data about the movie which I have manually fed, the Venue table stores name, location and capacity, the shw table has data of shows screening on respective days and the booking table is when a user books ticket for a show or reference of the manager.

The reason behind designing the database in this way was to ensure that all data is stored in a logical and organized manner. This design allows for easy retrieval of information. Overall, this database design was chosen to best support the functionality of the application and make it easy to manage and maintain the data.

Architecture and Features

The project is organized using the Model-View-Controller (MVC) pattern. In the application main module contains the controllers for handling requests and rendering templates. The authentication module contains the controllers for handling user authentication and authorization. The models module contains the classes for the database tables. The templates folder contains the HTML templates. The application includes features such as user registration and login, booking tickets, seeing details of the movies, details of bookings, upcoming shows, the manager can manage the venue add edit or delete movies, venues or shows

Video

https://drive.google.com/file/d/1WhmzO0rvdIRy1jgZX5uc0yEtZX3q4Sb-/view?usp=share_link