

U-Show Ticket Booking Application

Author

Lakshmi Sruthi K

21f1005626

21f1005626@ds.study.iitm.ac.in

I would describe myself as a student passionate to start a career in the path of Data Science. I am always eager to learn new skills and take on new challenges, and I am constantly seeking to improve my abilities. I also enjoy volunteering in my community and giving back whenever I can.

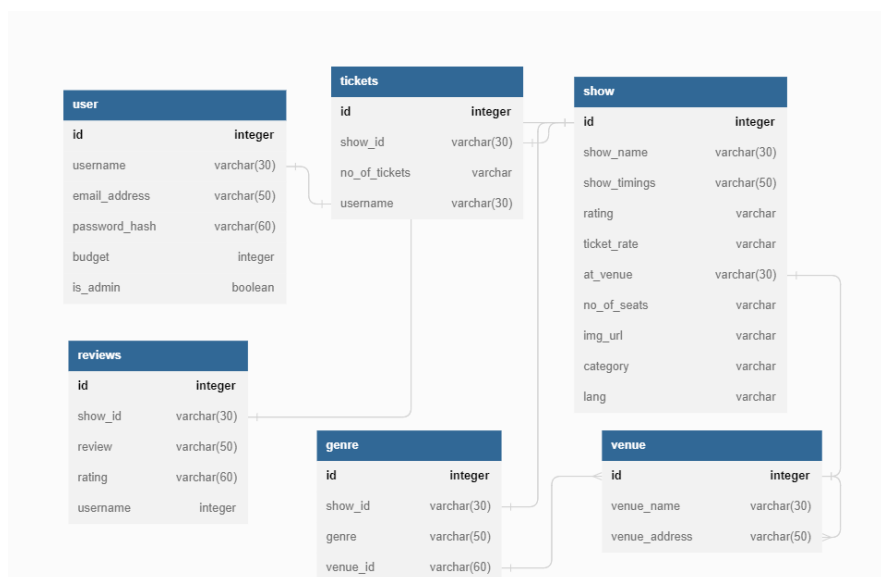
Description

The aim is to develop a movie ticket booking application with separate dashboards for user and admin. The admin will be able to create venues and add shows wherein the user will be able to book seats for shows according to their requirement.

Technologies used

Flask - render_template(jinja2), redirect, url_for, flash, request, flask_login(LoginManager), flask_bcrypt(Bcrypt), flask_sqlalchemy(SQLAlchemy), UserMixin, wtforms
Bootstrap, html, css

DB Schema Design



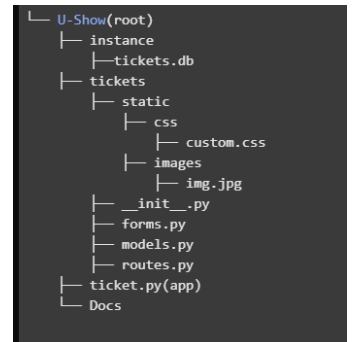
There are 6 tables. User

is to store user and admin details, tickets is the tickets booked by user for a show, Show contains the details of the show, Reviews contains the reviews given by a user for a show, genre contains the list of genres for a particular show and its venue. Venue contains the name and address of the venue. The only constraint in all tables is the primary key constraint in id of the table.

Architecture and Features

Features:

- Admin login, register with authentication
- Admin can add venues, update venues, delete venues
- Admin dashboard shows venues, inside which shows can be seen
- Admin can update, add and delete shows
- Admin can see reviews by users.
- Admin has a profile page(non-core requirement)
- User login, register with authentication
- User dashboard with venues inside which shows can be seen
- User can book tickets with the fake money in their wallet
- User has a profile page (non-core requirement)
- User can see their booking in a separate page and also cancel booking upon which their money will be refunded to their wallet
- User can see other reviews for a movie and also add reviews.
- System will automatically show latest added movies on top.
- Users and Admins can search using show name, venue and genre.
- System will not take in bookings after housefull.



The project has a root directory U-show inside which we have instance and tickets directory and the ticket.py file (app.py). The api routes are given in routes.py, the database models are given in models.py and the forms for data collection is present in forms.py. There is a static folder which contains two folders- css and images. The css contains one css file custom.css and the images contains three images. The instance folder has the tickets.db database.

The interesting feature is the wallet which is kept for demonstration purposes instead of real world money for buying tickets. Upon booking, the cost is taken from their wallet and on cancelling, the cost is fully refunded. The website contains a navy blue gold theme with an electric blue template.

Video

The video is present in a folder called 'MAD-1'
<https://drive.google.com/drive/folders/1XPtWQ0Qy9X5qTkQ64meJnWn5QEiUyIqD?usp=sharing>