

About

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I am in diploma level. I am also pursuing a B.Tech in CSE from KIIT University

Project Description

This project is a Show and venue management application for movies. This application helps us to book movies from a particular venue, and also the admin can manage all the movies and venues

Technologies used

- Flask for application code
- Bootstrap
- Jinja2 templates + CSS and HTML generation and styling
- SQLite for data storage

DB Schema Design

1. user - Used for storing user information
 - user_fname – text-
 - user_lname - text
 - user_email - text
 - user_password - text
 - user_dob - text
2. admin - Used for storing information of admin
 - admin_fname – text -
 - admin_lname- text
 - admin_email - text
 - admin_password - text
 - admin_dob - text
3. admin_show_management- Used for storing information of all the shows provided by the admin
 - Show_name-text
 - Show_id-int
 - Show_rating - text
 - Show_tags-text
 - Show_price-text
 - Show_capacity-text
4. Admin_venue_management- for storing information of the venues given by the admin
 - Venue_name-text
 - Venue_id- int

- Venue_capacity- int
- Venue_place- text
- 5. Bookings- for maintaining a record of the user bookings
- Venue_id- int
- User_email- text

API Design

No API was integrated in this project.

Architecture and Features

This project has 3 parts :

1. Python file (app.py) - This file has the backend of the project and contains the settings of the application and the data models & controller for every phase of this project.
2. Databases - The SQLite database that is used to store every data for this project.
3. Templates - Contains HTML files for the entire application.

The 5 features of this project are :

1. **Login and Signup** - The user can login to his account for booking a movie. The user can also signup with new information to the system. The admin also has a login portal where it can login with his credentials
2. **Admin start** - Here all the venues assigned and the shows running are displayed. Along with the option to update them. Count of the venues and shows are also maintained.
3. **start** - Here all the show information that is booked by the user are displayed. Along with the option to update user information in the account
4. **Searching** - The User searches for the show according to its name. All the shows in the venue gets displayed, this information comes from the admin side. The show that is booked is displayed to the user in the user profile page.
5. **Changes** - This enables the admin to delete and update any show or venue according to the need.

Video

https://drive.google.com/file/d/18xJ8Nb7LPvjkHNUi-dxg_FrNuGKW_Mk9/view?usp=sharing