

# Author

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## Description

Ticket show is a multi user (user & admin) app where users can book tickets on a venue for a show. He can book bulk tickets. And where admin can add multiple venues with multiple shows.

## Frameworks used

Flask: main framework

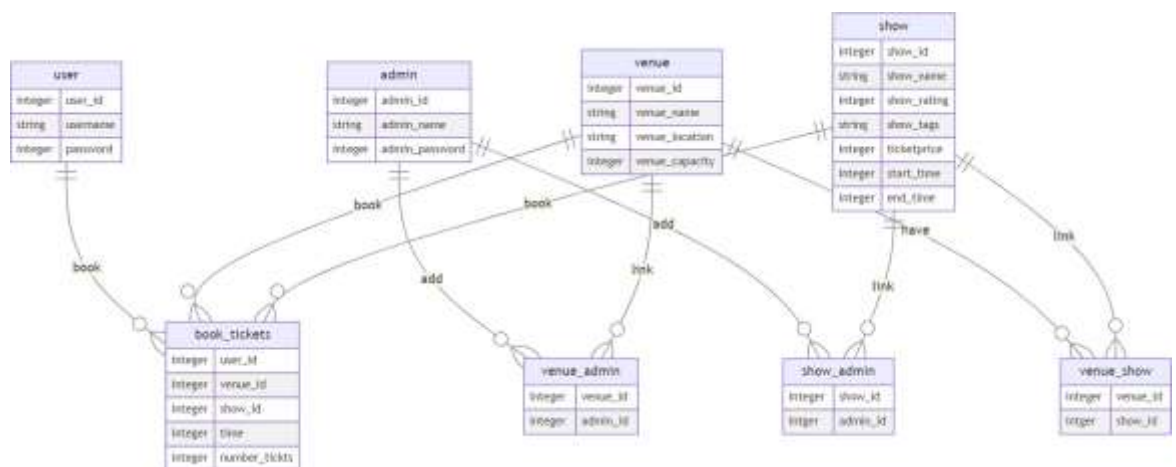
Render\_template, redirect, url\_for: to display the html content

Request: to get data from form

Flask\_sqlalchemy: to map user input data to the database

## DB Schema Design

1. User table with columns like user\_id, username, password.
2. Admin table with columns like admin\_id, admin\_name, admin\_password.
3. Venue table with columns like venue\_id, venue\_name, venue\_location, venue\_capacity.
4. Show table with columns like show\_id, show\_name, show\_rating, show\_tags, ticketprice, start\_time, end\_time.
5. Book\_tickets table with columns like user\_id, venue\_id, show\_id, time, number\_tickets.
6. Show\_admin table with columns like show\_id and admin\_id.
7. Venue\_admin table with columns like venue\_id and admin\_id.
8. Venue\_show table with columns like venue\_id and show\_id.



## Architecture and Features

Login system: A login system with password and username or adminname.

Styling: Complete CSS

Functions:

1. Home:
  - 1.1. Default route “/”: first page of the website which takes you to the home page where you can see the available venue.
2. User:
  - 2.1. “/shows/<int:venue\_id>”: This route gives all shows related to a given venue.
  - 2.2. “/userregister”: Through this route new user can register on the website.
  - 2.3. “/user/login”: User login.
3. Admin:
  - 3.1. “/adminregister”: New admin can make an account through this route.
  - 3.2. “/admin/login”: Admin login.
  - 3.3. “/adminpage/<int:admin\_id>”:
  - 3.4. “/adminshows/<int:venue\_id>/<int:admin\_id>”: this route shows all shows that belong to a particular admin and a particular venue.
4. Venue Management:
  - 4.1. “/addvenue/<int:admin\_id>”: An admin can add a new venue.
  - 4.2. “/edit/<int:venue\_id>/<int:admin\_id>”: An admin can edit the given venue information.
  - 4.3. “/remove/<int:venue\_id>/<int:admin\_id>”: Admin can delete the venue.
5. Show Management
  - 5.1. “/addshow/<int:venue\_id>/<int:admin\_id>”: An admin can add a new show.
  - 5.2. “/showedit/<int:show\_id>/<int:venue\_id>”: An admin can edit the show information.
  - 5.3. “/showremove/<int:show\_id>/<int:venue\_id>/<int:admin\_id>”: Admin can delete the show.
6. Ticket booking:
  - 6.1. “/booking/<int:venue\_id>/<int:show\_id>”: It gives the form to the user using booking details.
  - 6.2. “/booked/<int:venue\_id>/<int:show\_id>”: This shows the booking confirmation.

## Video link

[https://drive.google.com/file/d/1N1auX6qWOiexBxVHOCXaQmNYQ85QJnkF/view?usp=share\\_link](https://drive.google.com/file/d/1N1auX6qWOiexBxVHOCXaQmNYQ85QJnkF/view?usp=share_link)