Book Tickets App

About Myself

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Subject :- MAD-I Project

About Project

Book Tickets is a multi user app used for booking show tickets. Users can book many tickets for many movies.

Technologies used :
  - Application code : Flask
  - Database : Sqlite3
  - Style :- Jinja2, Bootstrap

Functionalities :
  1. Admin and User Login
      * Form for username and password for user
      * Separate form for admin login
      * Using simple html form with username and password for login
      * There is a model for user in database to store its data
  2. Venue Management (Only for Admin)
      * Admin can add new venue
      * It can edit details of a venue
      * It can also remove venue with a confirmation
  3. Show Management (Only for Admin)
      * Admin can add a new show
      * It can edit details of a show
      * It can also remove a show
      * Admin has to allocate venues while adding show and each venue can host multiple shows
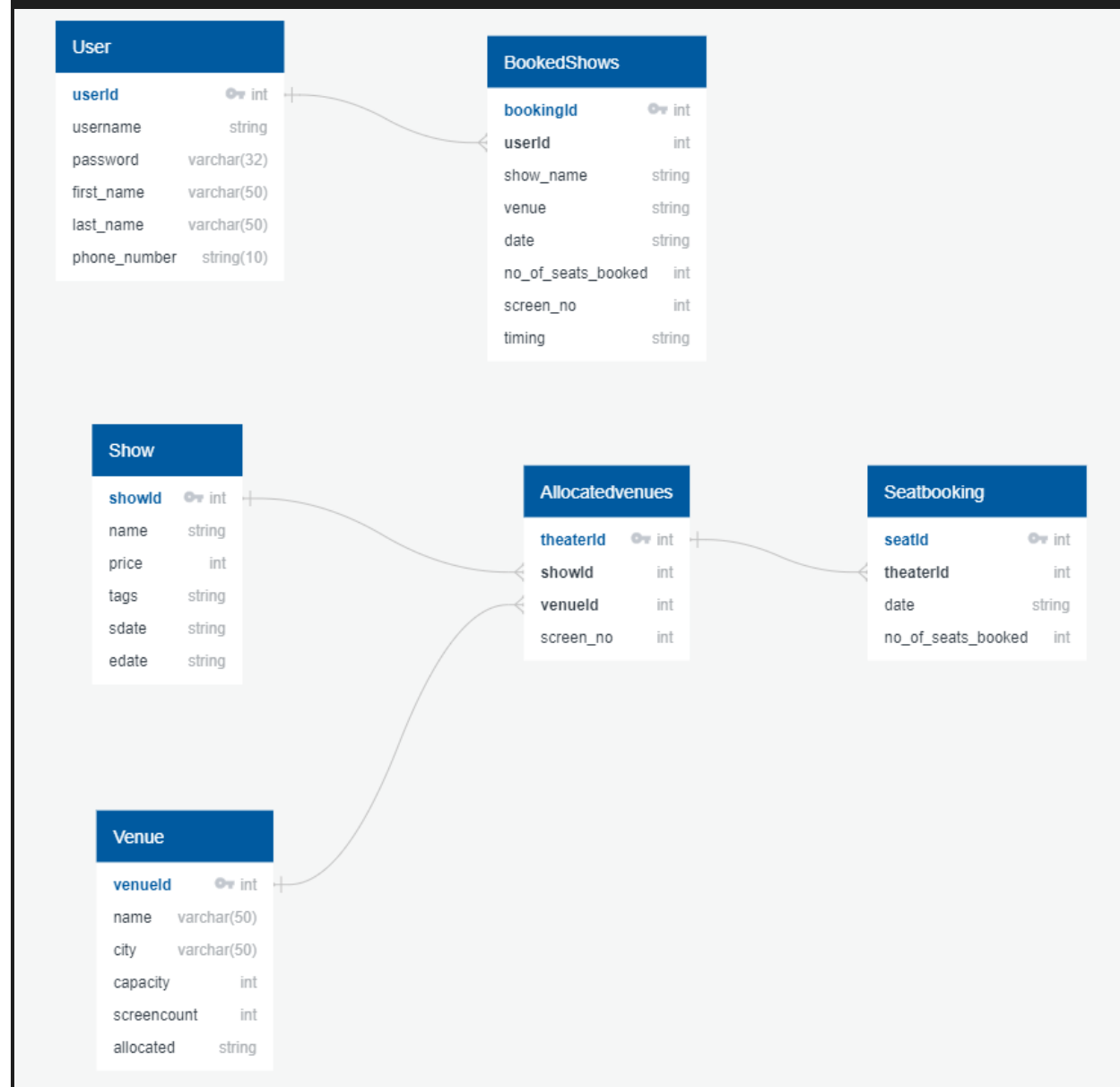 4. Booking for show tickets
      * User can see the latest available shows
      * User can book multiple tickets for a show at a given venue
      * App will stop taking bookings in case of a houseful
  5. Search for shows/venues
      * App has a ability to search venues based on location preference
      * It can also search movies based on movie name and tags
      * Search result shows the latest added shows
      * There is a basic home view for a venue

Database Schema

User

userId	🔑 int
username	string
password	varchar(32)
first_name	varchar(50)
last_name	varchar(50)
phone_number	string(10)

BookedShows

bookingId	🔑 int
userId	int
show_name	string
venue	string
date	string
no_of_seats_booked	int
screen_no	int
timing	string

Show

showId	🔑 int
name	string
price	int
tags	string
sdate	string
edate	string

Allocatedvenues

theaterId	🔑 int
showId	int
venueId	int
screen_no	int

Seatbooking

seatId	🔑 int
theaterId	int
date	string
no_of_seats_booked	int

Venue

venueId	🔑 int
name	varchar(50)
city	varchar(50)
capacity	int
screencount	int
allocated	string

Project Structure

- app.py :- It contains application code
- templates folder :- It contains html templates to be rendered by jinja2
- static folder :- It contains images and css files, if any
- instance folder :- It contains sqlite3 database
- requirements.txt :- It contains names of packages to be downloaded
- README.md :- It contains information about the project and steps to be followed to run the app.