

About me:

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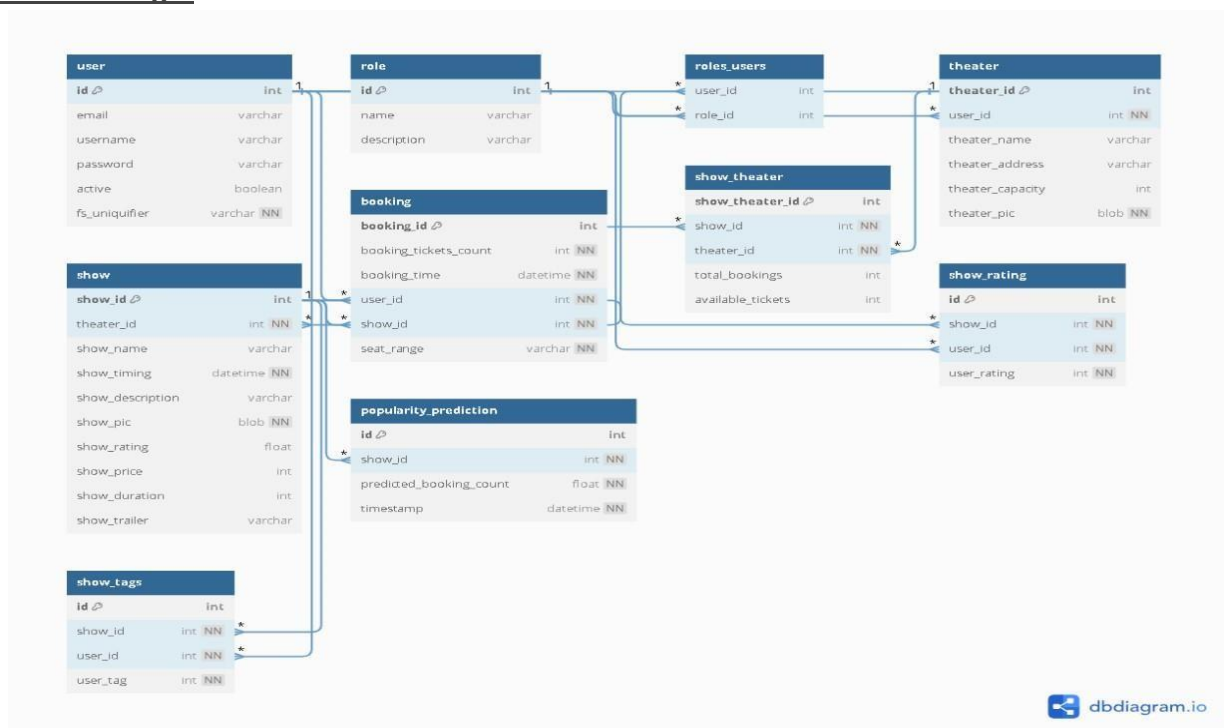
Description

Ticketshow is an application which has two types of users, one admin and another general user, an admin can add theatre and allocate shows to theatres with their required fields. General User can book shows, tag, and rate them. Both type of user can export their details, also receive monthly reports. General user receives daily reminders. Ticket can also be downloaded.

Technologies used:

- Flask: SQL-Alchemy: an extension of flask that connects application to the database.
- Bootstrap: for Styling and aesthetics.
- Vue.js for frontend. Flask for Backend.
- Flask_Security_tool for Authentication.
- Sqlite for Database.
- Celery-Redis for Reminder and Export Jobs.
- Redis [Flask-Caching] for Caching.
- Html for templates of export jobs.
- Mail Hog for Mails and Gspace-Webhooks for Reminder.

DB Schema Design:



There are 10 tables in the Ticketshow database for keeping the record of user, shows, theatres, bookings, ratings, tags as shown in above figure with the respective fields.

Architecture and Features

There are two types of users:

> Admin:

- > can add theatres.
- > can shows to those theatres, can perform CRUD operations on both!
- > can predict the bookings for the show using older trends!
- > can export Complete Report as Pdf or html.
- > can export each theatre's detail as csv.
- > receives mail of monthly report for all their theatres
- > has ability to see the graphs of revenues of each theatre of theirs.

> General User:

- > can book shows and download tickets.
- > can rate or unrate the shows, can also add tags as feedback for the show.
- > receives reminder in gspace everyday at a fixed time if they haven't booked any show in last one day!
- > can export Complete Entertainment Report as Pdf or html.
- > receives mail of Monthly Entertainment Report

> Both types of users can install the Ticketshow app in their system [ADD TO DESKTOP FEATURE] >
Admin User has an option of general signup!

Video

https://drive.google.com/file/d/1-ug1hKEtpXPjgZE_3PaRBasCTGQ-DFKC/view?usp=sharing