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I am doing my BTech at PES University and joined the BSc in 2020

Description

We were required to build an application that can display shows and venues and also book tickets. We were given a tech stack to use.

Technologies used

Vue: Front end framework

Flask: Back end framework

Flask_CORS: To allow Vue to query flask.

Flask_jwt_extended: For authentication.

Celery: async scheduling of tasks

Redis: Used with celery

DB Schema Design

All columns are self describing.

ADMIN: id

This is for saving list of admins

SHOW: id,name,show_date,venue_id,seats,seats_booked,details

This is the model for shows.

SHOW_TAGS: id, show_id, tag_id

This stores tags for every show

TAG: id,name

This stores all the tags.

TICKET: id,show_id,user_id,seats,date_booked

This is the model for tickets.

USER_DETAILS: id,fname,lname,age,email

This is the extended details of the users.

USERS: id, username,password

This is the users model.

VENUE: id,name,address,style

This is the model for venues.

API Design

There are endpoints for CRUD operations for all the models.

Architecture and Features

There are 2 main folders.

- Flask: This has all the python files and all controllers and models(sqlitedb).
- MAD2Proj: This has all of the Vue files. This is the View part of the architecture.

All required features have been implemented.

Video

<https://drive.google.com/file/d/10Auy1GAp-mPC2Yuv8E0GhFT6ptAun80P/view?usp=sharing>