

## **Author**

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## **Description**

TicketShow is a multi-user app (one required admin and other users). It is used for booking show tickets. In this, user can book many tickets for many movies and also admin can create theatres and shows

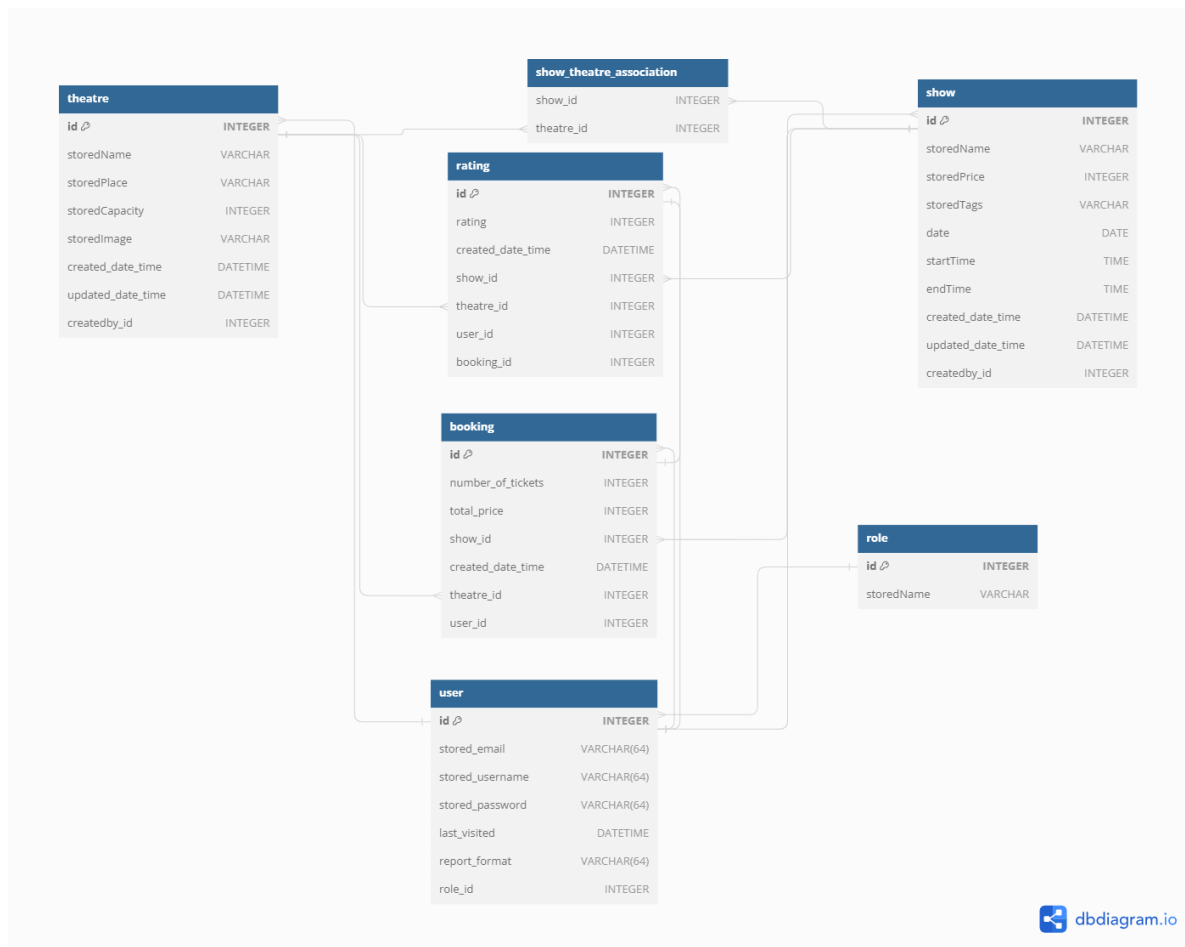
## **Technologies used**

- Flask: for basic backend Implementation.
- Flask\_sqlalchemy: for implementing Database.
- datetime: for storing the date for the deadline.
- Token Based Authentication using JWT
- VueJs for Frontend
- Celery, Redis for jobs
- werkzeug.security: for hashing the password
- Flask-Restful: to create Api

## **API Design**

1. Logout API – For logging out the user
2. Login API – for login the user
3. Signup API – for creating new account
4. Role API – for fetching roles
5. Booking API – for booking shows
6. APIs related to csv like download and generate csv API
7. Ratings API – To rate a show
8. Search Show API – to searching a show
9. Search Theatre API – to searching a theatre
10. Show API – for creating, fetching, updating, deleting shows
11. Theatre API – for creating, fetching, updating, deleting theatre
12. Summary API – to show summary chart for all shows in a theatre

## DB Schema Design



## Architecture and Features

- **login / sign-up system**: Here user can fill in all details for creating a new account and after that user will be able to do login.
- **Shows Post Management** : Here user will be able to create, update shows and delete shows with user confirmation (for admins)
- **Theatre Post Management**: Here user will be able to create, update theatre and delete theatre with user confirmation (for admins)
- **Search**: For searching theatre and shows
- **Export Jobs** – Export CSV data to admins
- **Report Jobs** – Create monthly report
- **Alert Jobs** – Alert the user for not using app
- **Additional features**: Additional features include
- **Summary page**: To compare all shows in a theatre
- **Bookings page**: To view the bookings done by user
- **Report PDF** : Report PDF download for user

## Video

<https://drive.google.com/file/d/13IZGGY5XfI8lw9QR6yNYG2jFXAWTD-T6/view?usp=sharing>