# Name:

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My Name is Priyangshu Bala. I am currently pursuing BS in Data Science from IIT Madras.

# Description

TicketShow is an app which is used for buying movie tickets similar to bookmyshow app

# Technologies used

Python

Flask

Html

CSS

Sqlite3 for database

# DB Schema Design

TABLE "Accounts"

"username" TEXT NOT NULL UNIQUE,

"password" TEXT NOT NULL,

"acctype" TEXT NOT NULL,

"scode" TEXT,

"id" INTEGER NOT NULL,

"pno" TEXT,

PRIMARY KEY("id" AUTOINCREMENT),

FOREIGN KEY("scode") REFERENCES "Shows"("show\_code")

TABLE "Booking"

"id" INTEGER,

"movie\_name" TEXT NOT NULL,

"show\_time" TEXT NOT NULL,

"ticket\_count" INTEGER NOT NULL,

"venue\_name" TEXT,

PRIMARY KEY("id" AUTOINCREMENT)

TABLE "Shows"

"show\_code" TEXT NOT NULL UNIQUE,

"show\_name" TEXT NOT NULL,

"show\_price" INTEGER NOT NULL,

"show\_rating" INTEGER NOT NULL,

"show\_url" TEXT

TABLE "Venue"

"id" INTEGER,

"venue\_code" TEXT NOT NULL UNIQUE,

"venue\_name" TEXT NOT NULL UNIQUE,

"venue\_address" TEXT NOT NULL,

"venue\_opentime" TEXT NOT NULL,

"venue\_img" BLOB,

"capacity" INTEGER,

"Shows" TEXT,

PRIMARY KEY("id" AUTOINCREMENT)

# API Design

The RESTful API was created using the Flask-Restful library for Python according to the OpenAPI Specifications. All the database tables have CRUD operations available through the API. The API uses tokens for authentication for certain requests that require them. The token for a user can only be obtained from the account page of the user that is signed-in. For more information, please refer to the openapi.yaml file.

# Architecture and Features

# Login for admins and users

Booking venue , movie for user

Adding venue, movie for admin

Deleting venue, movie for admin

Edit venue for admin

Searching for venue

Logging out

# Video

https://drive.google.com/file/d/1\_pNpztM1ZIKQw05iU8IeLZWiFPUV9sHr/view?usp=sharing