

## Report File

- The main.py file which reside in project folder is used to start the server.
- There is a Website folder inside project folder which contains other important files like models, components for views and auth and init file.
- The init file in my website has all configuration related code and the database initialization it is also used to make the Website folder as a package so that main file can use it.
- The database file will be in the instance folder which will be inside project folder and our init file automatically creates our database file if it does not exists.
- There is a template folder inside Website folder which has all jinja templates and there is a base.html template which is a parent template for all the other template.
- Now my models has mainly 4 tables:
  1. User table:

It has id, email, password, name and isadmin as the attributes and it has a venues, bookings attributes to show relationship with the Venues and Booking tables. The default for isadmin is false for every user and it is true only for the admin it is adjusted by using the db browser only. I did not directly stored password in my database for security issues but stored it in the form of hash
  2. Venue table:

It has id, venue\_name, place , capacity as attributes of a venue and owner, shows attributes are used for foreign key and establishing the relationship with the table shows.
  3. Show table:

It has id, show\_name, rating, start\_time, end\_time, tags, price as the attributes and hall, boo\_kings are the attributes used for foreign key and establishing relationship with the table bookings.
  4. Booking table:

It has id, tickets as the attributes and show, user are used to establish relationship with user and shows.
- I used flashes which comes with flask and used them for validation testing for example a user can only see bookings page if he is logged in or otherwise he have to register first. There are certain validations for registration like the email id should not be already existing in the database if it exists then it will flash that user is already exists.
- The auth file has all the components required for authentication purpose that is:
  1. Login
  2. Logout
  3. Signup
- Then there is a views file which has all the other components required for creating shows and venues that is:
  1. Home
  2. Venue
  3. Show
  4. Booking
  5. User\_bookings
  6. Edit\_show
  7. Delete\_show

8. Edit\_venue
9. Delete\_venue

- I used blueprint in my web app so that management of all components become very easy and simple.
- There is a templates folder which has 9 templates that is:
  1. Base.html
  2. Login.html
  3. Signup.html
  4. Admin\_dashboard.html
  5. User\_dashboard.html
  6. Venue.html
  7. Show.html
  8. Booking.html
  9. User\_bookings.html
- There is a requirements.txt file which specifies the libraries and header files used by this web application to run properly.
- There is a search box functionality for the user to search shows available at that particular time, and a booking page which has all the information of booked tickets by the user.