Tamasha : A Movie Booking Website

Team 5:

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Functionalities provided by our Django app

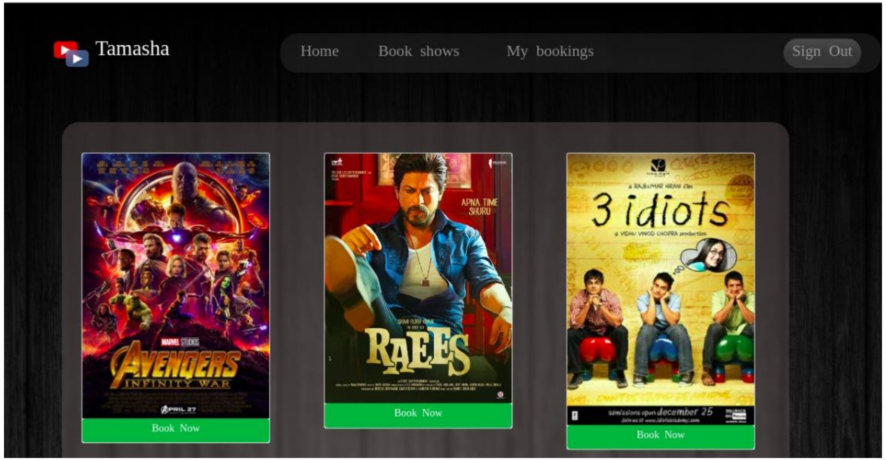
- **Register/ Login** - Used django’s authentication model; user gets redirected to login page if he tries to access the homepage without logging in . 2 types of users
    - Admin - He can add, delete or modify cities, movies, theaters
    - User - He can see all the running show in homepage, then can login to book any movies or see his bookings

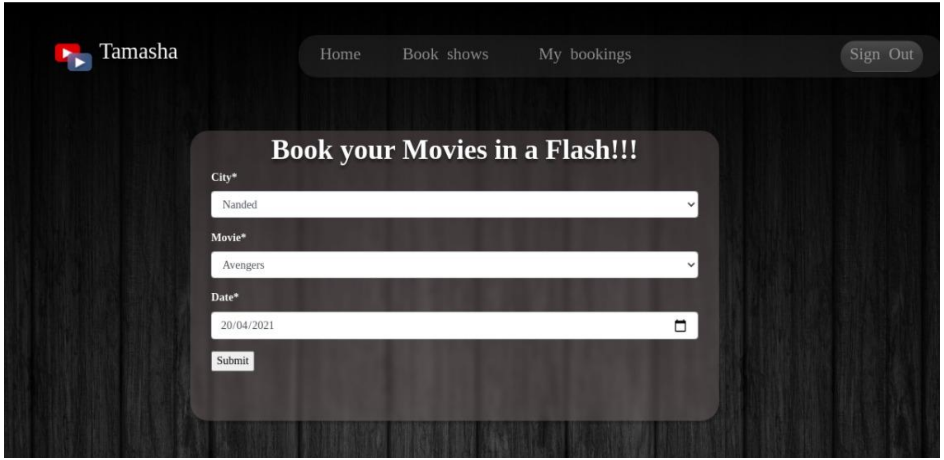
- **Book Shows/ Movies** - User can see the list of movies running and book a particular movie from the homepage

- **Filter Movies based on City, Theater and date -** User can select movies based on a particular city, theater and date

- **Check Available Seats in a graphical manner -** He can see the seats blocked and available and select the seats

- **Cancel Shows -** He can see all his booking in one page and cancel his bookings from the same page



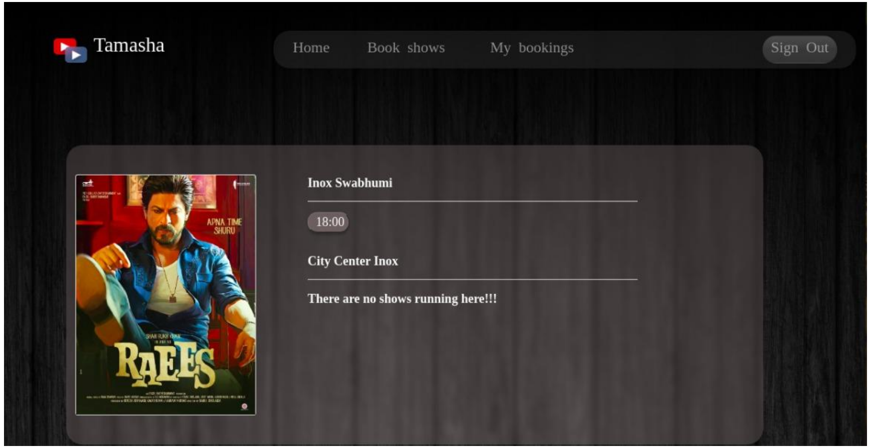


Book your Movies in a Flash!!!

City*
Nanded

Movie*
Avengers

Date*
20/04/2021

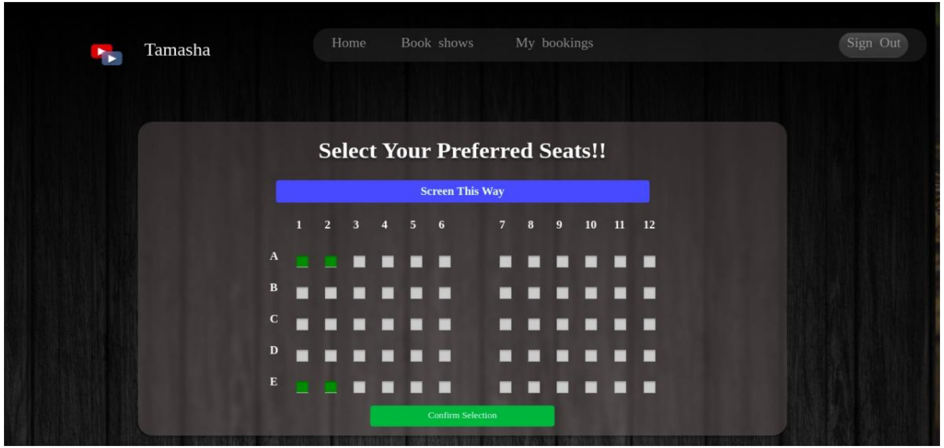


Inox Swabhumi

18:00

City Center Inox

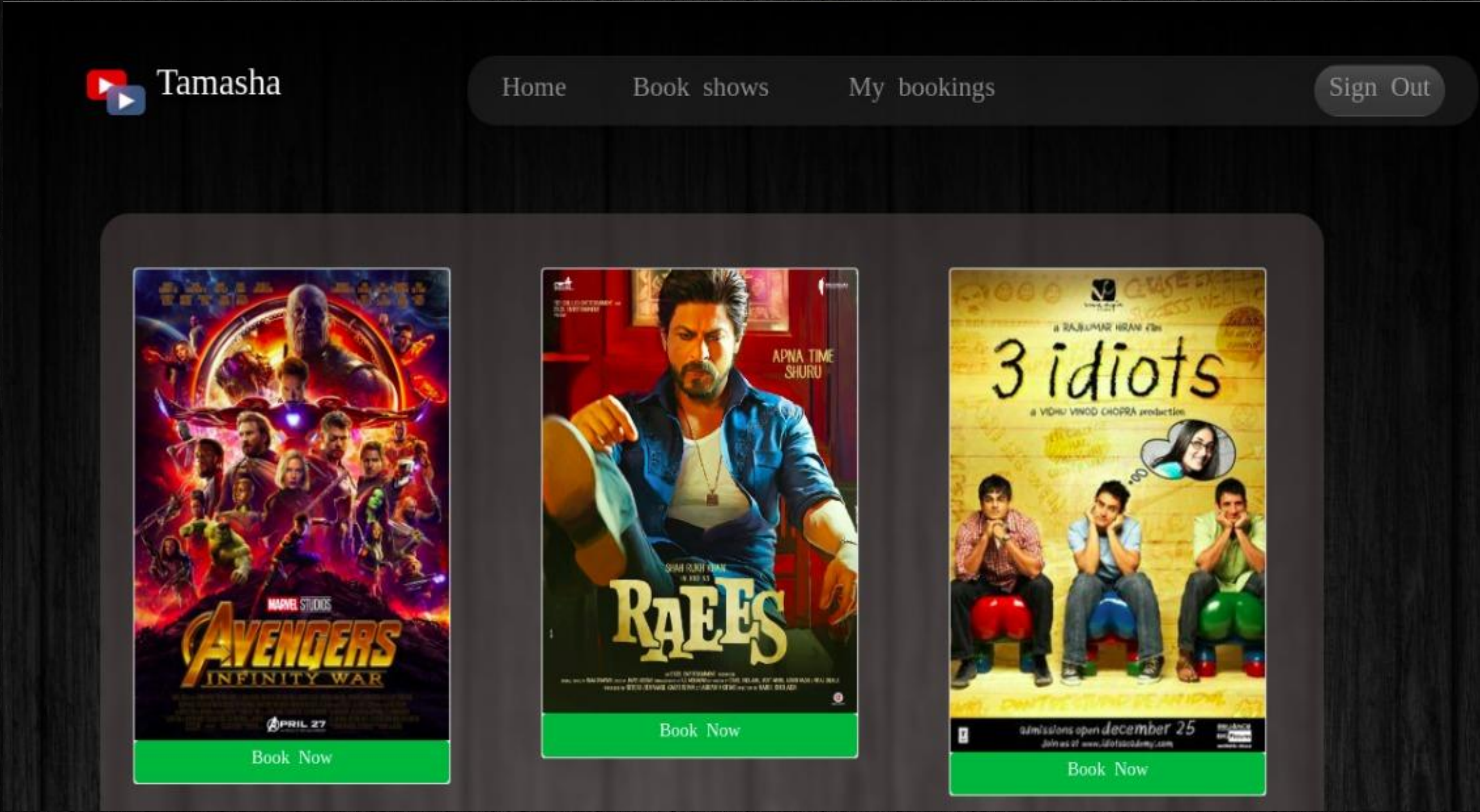
There are no shows running here!!!



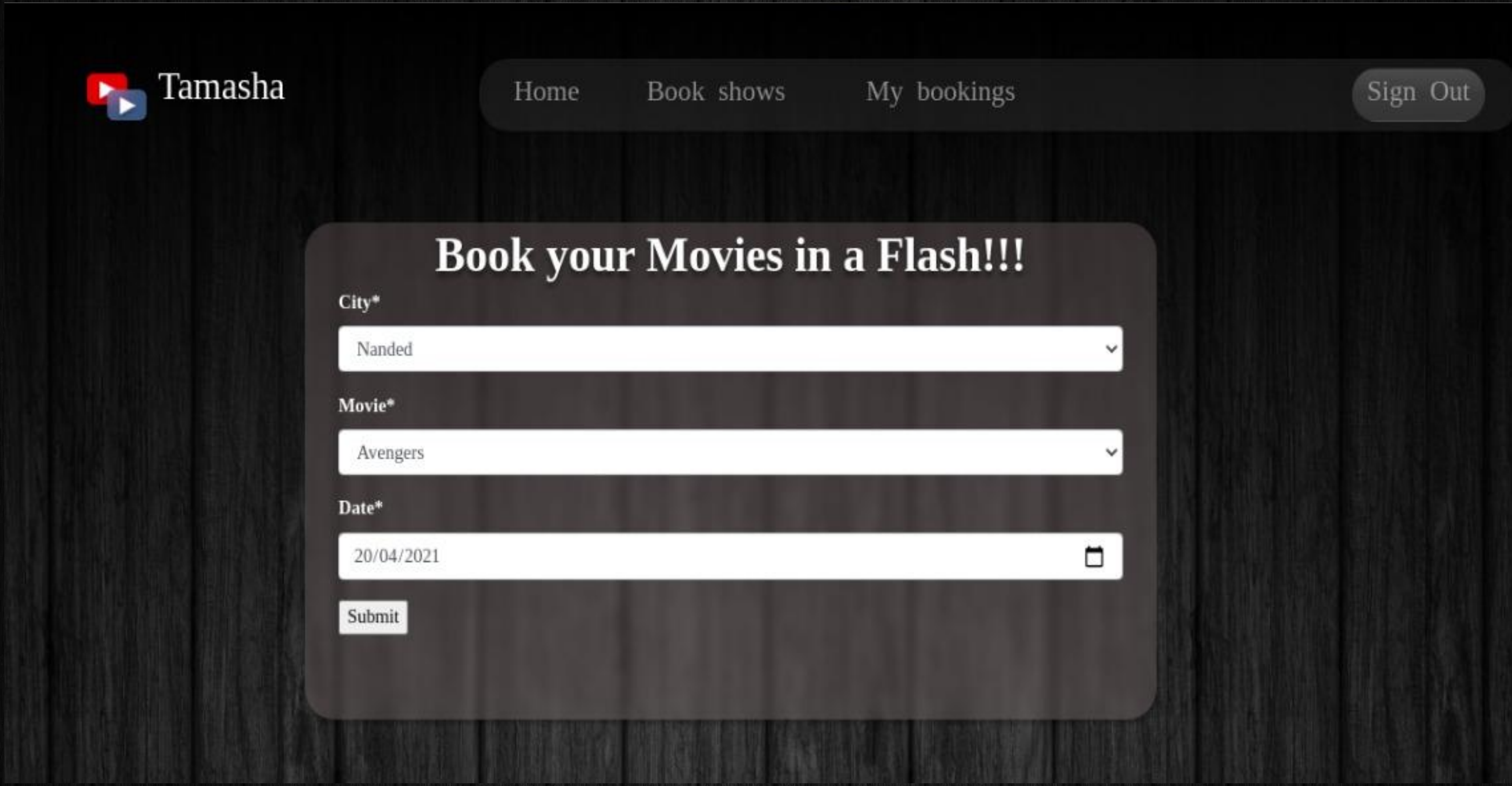
Select Your Preferred Seats!!

Screen This Way

	1	2	3	4	5	6	7	8	9	10	11	12
A	🟩	🟩	□	□	□	□	□	□	□	□	□	□
B	□	□	□	□	□	□	□	□	□	□	□	□
C	□	□	□	□	□	□	□	□	□	□	□	□
D	□	□	□	□	□	□	□	□	□	□	□	□
E	🟩	🟩	□	□	□	□	□	□	□	□	□	□



Tamasha
Home
Book shows
My bookings
Sign Out
MARVEL STUDIOS
AVENGERS
INFINITY WAR
APRIL 27
Book Now
APNA TIME SHURU
SHAH RUKH KHAN
RAEES
Book Now
a RAJKUMAR HIRANI film
3 idiots
a VIDHU VINOD CHOPRA production
admissions open december 25
Book Now



Book your Movies in a Flash!!!

City*

Nanded

Movie*

Avengers

Date*

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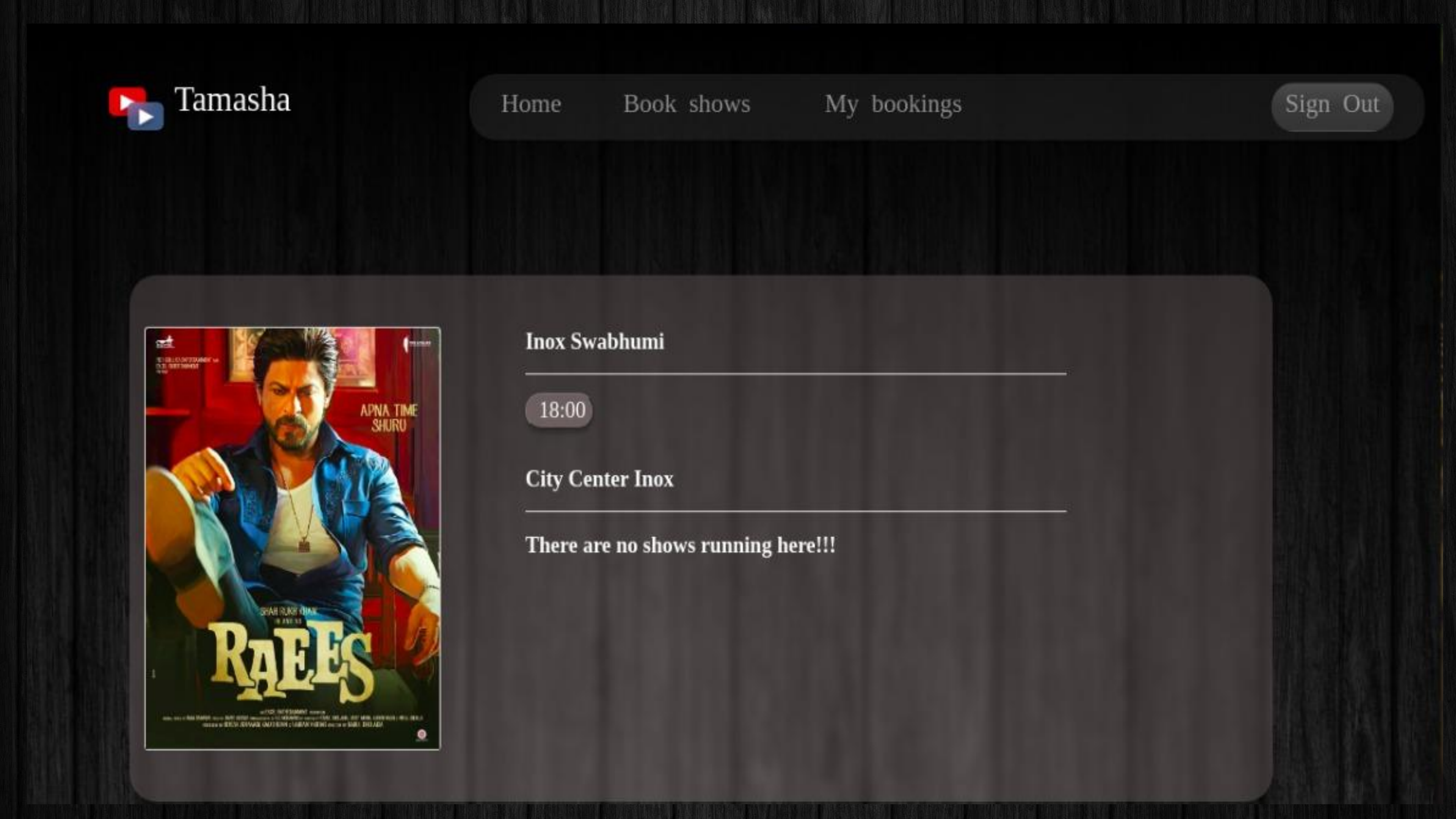

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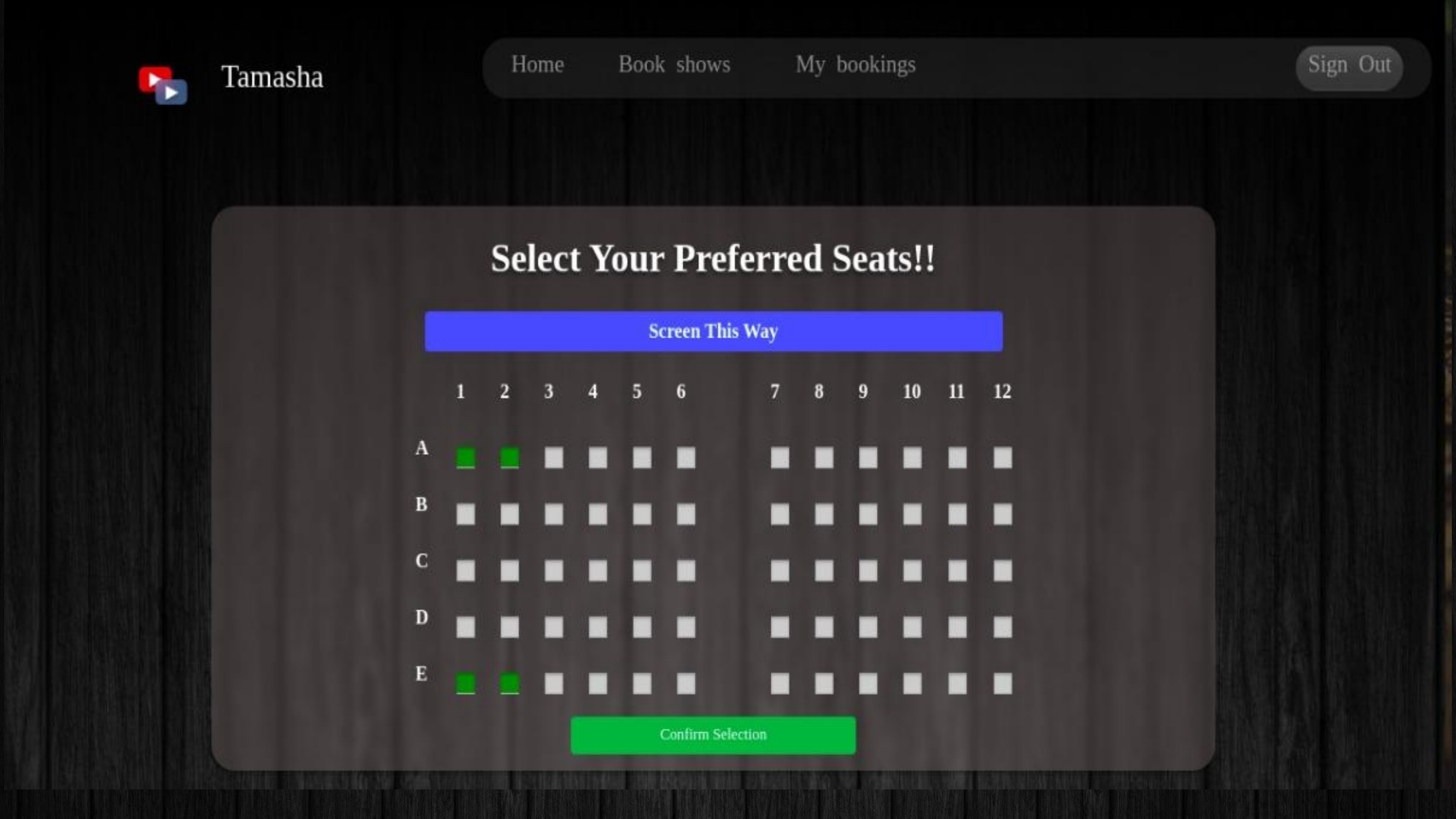
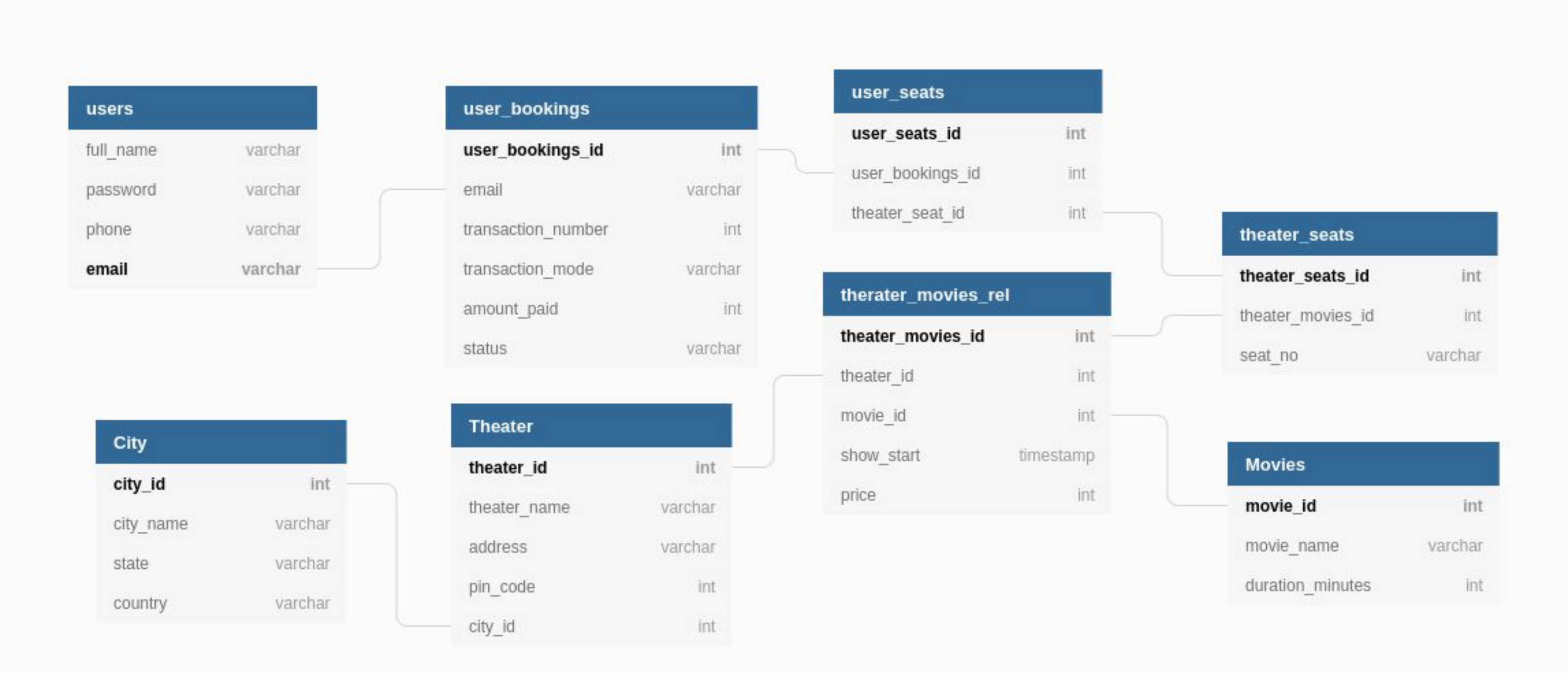


Select Your Preferred Seats!!

	1	2	3	4	5	6	7	8	9	10	11	12
A	🟩	🟩	□	□	□	□	□	□	□	□	□	□
B	□	□	□	□	□	□	□	□	□	□	□	□
C	□	□	□	□	□	□	□	□	□	□	□	□
D	□	□	□	□	□	□	□	□	□	□	□	□
E	🟩	🟩	□	□	□	□	□	□	□	□	□	□

Database Schematic Architecture



users	
full_name	varchar
password	varchar
phone	varchar
email	**varchar**

user_bookings	
user_bookings_id	**int**
email	varchar
transaction_number	int
transaction_mode	varchar
amount_paid	int
status	varchar

user_seats	
user_seats_id	**int**
user_bookings_id	int
theater_seat_id	int

theater_seats	
theater_seats_id	**int**
theater_movies_id	int
seat_no	varchar

therater_movies_rel	
theater_movies_id	**int**
theater_id	int
movie_id	int
show_start	timestamp
price	int

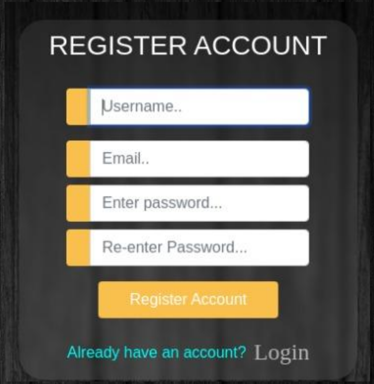
City	
city_id	**int**
city_name	varchar
state	varchar
country	varchar

Theater	
theater_id	**int**
theater_name	varchar
address	varchar
pin_code	int
city_id	int

Movies	
movie_id	**int**
movie_name	varchar
duration_minutes	int

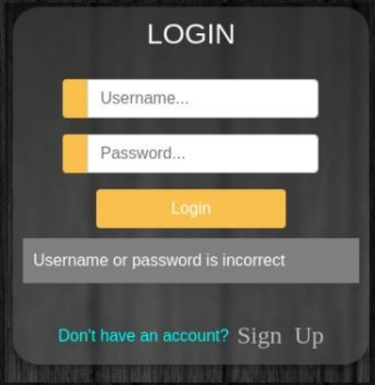
Key Aspects/Technologies used in the application

- Django User Authentication Module (Auth)
  - We have used the Django Auth module to provide the Authentication and Registration of users.
- Django Administration Module (Admin)
  - Django provides the built in administration module for the effective administration/support of the site.
- Django Function Based Views
  - Depending on the page the user is requesting Django method based views lets you write the functions/ functionality which you want to implement.
- Django Crispy forms
  - Django Crispy forms package helps you create the Bootstrap forms of selected versions effortlessly .
- ORM model of querying database
  - Django ORM (Objects Relationship Mapper) provides efficient ways to perform the queries through the database.



REGISTER ACCOUNT

Already have an account? Login



LOGIN

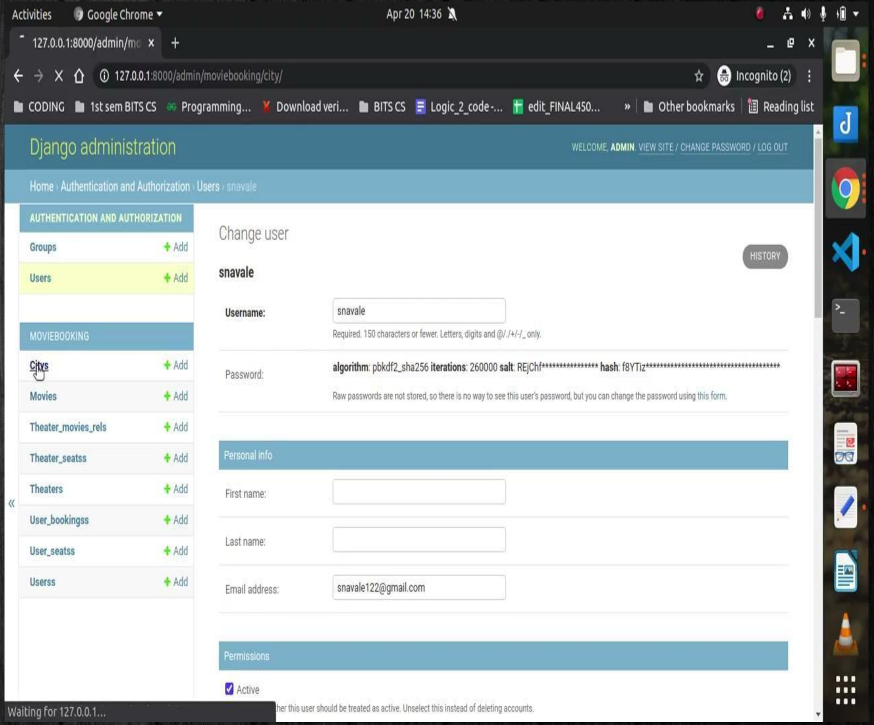
Username or password is incorrect

Don't have an account? Sign Up

Key Aspects/Technologies used in the application

- In order to provide the seat selection interface in which user can dynamically selects the currently unavailable seats we have used Bootstrap, CSS, Javascript and Django ORM queries combinely.
- The Django views will send the currently unreserved seats for the current show to template and by using Javascript, Bootstrap and CSS user will only be able to select the seats which are currently available for the booking.
- From the views we are creating efficient ORM queries so that we only fetch the required information needed for the functions to work correctly.
- Along with Django Auth module we have used the sessions to store the user sessions and implement the user authentication functionality.
- We have used the Bootstrap 4 card decks to efficiently showcase current shows on the website and for the cancellation of booked seats.
- For administration purposes of the site the admin can use the built in Django Admin module.
- We have used the POST HTTP method for the form action which is more secure method and can be used to transfer more amount of data than GET HTTP method.

Demo Video



Django administration

WELCOME, **ADMIN**. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home › Authentication and Authorization › Users › snavale

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add

MOVIEBOOKING

- Citys + Add
- Movies + Add
- Theater_movies_rels + Add
- Theater_seatss + Add
- Theaters + Add
- User_bookingss + Add
- User_seatss + Add
- Userss + Add

Change user

HISTORY

snavale

Username: snavale

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password: **algorithm**: pbkdf2_sha256 **iterations**: 260000 **salt**: REjChf*************** **hash**: f8YTiz**************************************

Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name:

Last name:

Email address: snavale122@gmail.com

Permissions

☑ Active

her this user should be treated as active. Unselect this instead of deleting accounts.

Waiting for 127.0.0.1...

Any Questions?

Thank You!!!