tawgl

Movie Booking System

Create a react.js based WebApp for movie booking system, which will have below mentioned functionality :-
1. Session based user login signup functionality.
2. Accordion menu which holds below mentioned option -
    a. Year 2024
        i. January
            1. UPcoming movies
            2. This week movies
        ii. February
            1. UPcoming movies
            2. This week movies
3. Create Rest api using JAVA and spring boot for displaying "UPcoming movies" and "This week movies" data to users in an efficient way.
4. "This week movies" should have an option for booking movies which users will use to book a particular movie.
5. Once a movie is booked, booking details should be displayed to users over the WebApp.
6. Within 10 mins users should have an option to cancel the booking, once cancelled below mentioned scenarios should be handled -
    a. Prior to cancelling it should take confirmation from the user whether he/she actually wants to cancel the booking.
    b. On cancelling the movie the number of available seats should increase by 1.
    c. If all the tickets are sold for that movie and the movie is not accepting any other booking so in this case once the user cancels the booking, the movie should once again open for booking the ticket to the user.

Expectation:
- Clean professional level Code.
- Modelling of core entities and relationships between them.
- Your code needs to be demonstrable. To do this, you may need to have an API based solution either as a WebApp, MobileApp or even provide basic API calls to run through the above mentioned workflows.
- Workflows for creation of user and movie repositories are not required. This could be pre-loaded as a part of application startup.
- Backend Database is optional. However, modelling should be complete.
- Unit testing with test cases should be there.

Guidelines for Submission:
- Create a .zip file of all application related files and share on sonal@tawgl.com
- Ensure that a README file is present in the base folder describing steps for any local setup required and steps to execute the application.