

Technical Head Assignment



Problem 1: Court & Gym Booking Portal

You have to make a court booking portal, in which you have a dynamic form, which first takes the court type(Badminton || Squash || Gym || Swimming).

After choosing the sport, you are displayed the available seats in the available time slots of that day(take time slots to be from 7:30am-8:30am, 8:30am-9:30am, 7:30pm-8:30pm, 8:30pm-9:30pm). When you select a particular time slot of a particular sport, it gets booked with a warning, and then the booking is shown in the My bookings component.

PS

1. A user can't book two sports of the same time slots
2. A user should have a maximum booking limit of 3 per day
3. LINK THIS VIA THE GOOGLE SHEETS API, so that if the slot is booked by a hostel for GC practice, we can directly make it fully booked

Regarding framework, MEAN or MERN stack is preferred, but you wouldn't need a backend if you are linking it to google sheets api.

Problem 2: You have a choice 😊

Sports Yearbook

Make a digital yearbook. What you have to do, is create profiles of users, from a list of users pre given, say the users are:

- i) Anshul Panwar ID=Anshul123
- ii)Ketan Agrawal ID=Ketan456
- iii)Goransh Gattani ID=Goransh789

Now, for each of this user, there would be a separate yearbook component of the form of link: <https://localhost:4200/yearbook/Anshul123> where users can post comments and images with the particular person, basically a form that accepts multiple/single image and text, plus which is sent with that particular userid(Anshul123) in the model in the backend. Sent posts and images are displayed in the specific user section.

OR

Fantasy League Portal

You have to make a fantasy league portal, where you have a list of players and teams which exist in the backend, say 8 teams of IPL, and their squad, in the form of a Json file. Now, users have an array of players chosen and their ids stored in their model, when they select their dream team. Users have another field in their model, i.e. their points, which are reset to 0 after

every match. The task is to arrange these users by their points, and display it in descending order(Order by points)

Problem 3: Research about the procedure to convert an angular website to a progressive web app, convert it into apk, and then verify it via playstore. What is the procedure for play store verification? Write it in a doc.

For doubts contact:
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