ORTOS (Open Roundnet Tournament Organization Software) - Eoin O'Gara and Kolton Knight

Mission Statement:
Create a community driven open source hub for roundnet tournament management.

Details:
This hub will excel at connecting the community to local tournaments and clubs. The site plans to offer a more flexible approach to tournaments by supporting leagues, squad formats, etc. Emancipating tournament organization software from the grasp of Spikeball Inc. is crucial for the development of roundnet as a sport and will open doors for new features that Spikeball Inc. has resisted implementing to Fwango as well as opportunities for better growth of local roundnet communities.

Already existing similar solutions: https://fwango.io , https://playerzone.roundnetgermany.de/

MVP Features:
- Ability to be configured for many formats
  - Presets for asl - like squad format
  - League format
- List and map of roundnet hubs

Semester Goals:

- Kolton - Frontend focused
  - Familiarize myself with react by 9/27.
  - Have a decent home page by mid-late october.
  - Have a decent bracket page by thanksgiving.
- Eoin - Backend focused
  - Become familiar with Supabase. Make sure I can host supabase project by October 3
  - Authentication and simple database operations working by October 24
  - Mock tournaments being run on site by Thanksgiving Break

Tech Stack:
Supabase w/postgresql for backend and db. Possibly Node.js (not sure if necessary)
React.js for frontend. At the moment mainly needed for clean and dynamic bracket ui
Languages: SQL, Javascript, HTML, CSS

Project reach goals:
- Seamless integration with rankings
  - Easy seeding + other TD tools (I don't know much about the needs of a TD in fwango)
- Perfect mobile compatibility
- Payments

- Statistics and videos linked to games / sets
  - Ability to clip from these videos
- Field maps
  - Assign games to nets
  - Assign observers to nets
  - Feature nets
- Membership management system
  - Certifications such as observing too
- Light mode/Dark Mode

- decide colors
- variables in figma for colors
- mess around with the header in code + navigation / sidebar
- scroll view
- host website and github actions

RESOURCES:
Other open source bracket(fastapi): https://github.com/evroon/bracket
Database models of above link:
https://github.com/evroon/bracket/blob/master/backend/bracket/models/db/

Expo setup:
https://docs.expo.dev/get-started/set-up-your-environment/?platform=android&device=simulated

Expo/supabase integration tutorial: https://docs.expo.dev/guides/using-supabase/

https://supabase.com/docs/guides/getting-started/tutorials/with-expo-react-native?queryGroups=auth-store&auth-store=async-storage

Chatgpt for frontend
V0.dev

Router Docs:
https://docs.expo.dev/router/introduction/

Rnr:
https://rnr-docs.vercel.app/getting-started/introduction/
Run command from website
Show up in components
Add import statement

Copy usage

Page hierarchy

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