

Hackathon - Sept 12

Main Requirements:

- A small app where **Teachers** manage activities and **Students** can view them.
 - **Students** must **register**, then wait for **Teacher activation** before logging in.
 - **Teachers** log in and can **create, edit, and delete** activities.
-

Pages:

- **/register** – Student registration form (name, email, choose Google or GitHub for future login).
 - **/login** – Teacher login (email + password).
 - **/** – Homepage: list of all activities.
 - Students: view list and open activity details.
 - Teachers: same + buttons/links to create/edit/delete.
 - **/activities/new** – Create activity (Teacher only).
 - **/activities/[id]** – View activity (everyone).
 - **/activities/[id]/edit** – Edit activity (Teacher only).
 - **/teacher/students** – Simple list to activate/deactivate students.
 - **/profile** (or header section) – Show user name, email, **role**.
-

Student should have route level restriction and should not be able to access restricted pages.

Activities include: title, text/content, image.

Keep the UI simple and clean.

Tech Requirements:

- **TypeScript**: enable `strict` and share types across server/UI.

- **Auth.js**: Credentials for **Teachers** (email/password). **Google + GitHub** for **Students**.
 - Students can sign in only after `is_active` is set by a Teacher.
 - Attach **role** to session for UI + server checks.
- **better-sqlite3**: use for all CRUD (users, activities). Keep queries small and clear.
- Every forms including login , register and activity should be validated in the server and not in client. (***Use built in react form hooks***)
- **Validation**: use **Zod** on the **server** for every form (register, login, create/edit activity).
- **Access Control**: check `role === 'TEACHER'` in server actions/route handlers; add `middleware.ts` for extra guarding.
- Show clear notification messages and alerts to users .
- Provide clear layouts and handle React components consistently across all roles.

Note: Do not use AI tools; if needed, consult official docs on the internet for syntax and SQL.