Role Permissions

Feature Description
create permissions for current teacher, parent, and admin accounts

Requirements

Admin must be able to view all pages, and have access to edit all accounts, and search for all accounts from parents, student, and faculty view pages. There should be a separate page in which they can change their relationships for students regarding their classes and faculty and parents to their child. On a separate page, they should be able to send out invites to unregistered users.

Faculty accounts must have view permissions on non personal info on children. They should be able to access the emails of the parents and should be able to send messages to these parents (some inbox function). Award points to students and view their responses to any questions, quizzes, book entries.

parents should have read write permissions for their child, they can submit a request to the admin to delete student relationships too. Cant view any other students except their own, any other faculty except ones with relation to their student for that year only.

<u>Personal</u>
Age
Birth Date
Race

<u>Non Personal</u>
Everything not mentioned in Personal

<u>Schema Changes Summary</u>

User Model Changes
- Added direct one-to-many relationships for:
  - Children: links parents to their children (via StudentProfile)
  - Students: links faculty to their students (via StudentProfile)
- Used explicit @relation names to avoid ambiguity and improve query clarity

StudentProfile Model Changes
- Added optional foreign keys:
  - parent_id for linking to a parent user
  - teacher_id for linking to a teacher user
- Defined corresponding relations to User, allowing for direct access
- Made both fields optional to support unassigned students

How This Supports Permission Requirements

Parent–Child Access
- Parents can now directly access their children via the Children field
- The ParentToChild join table is still available for extended relationship metadata or historical tracking

Faculty–Student Access
- Faculty members can directly access their assigned students via the Students field
- The existing TeacherToClass and StudentToClass join tables are retained for managing classroom-level groupings

Admin Access
- Admins retain full access through their AdminProfile
- All user roles and relations are clearly defined, enabling clean and enforceable role-based permissions