Nestjs and Nextjs Integration

In this assignment, you're going to integrate your NextJS application with your nestjs application for the manager dashboard.

You're going to consume NestJS API instead of the static JSON-server APIs.

> **Note**: As mentioned previously, for the authentication, you're going to consume your express backend since it provides registration and login functionalities for both coders and managers.

1. Authentication

1.1. Signup

- Create a POST API endpoint for signup in your NextJS API folder. The endpoint should take form data and use Axios to request express backend manager signup.
- Make sure to handle success and error responses from express API.
- Add a submit handler for the submit button for the signup form and request the signup API that you just created.
- Upon a successful signup, make sure to redirect the user to the signin page.
- Make sure to handle errors correctly.

1.2. Signin

- Create a POST API endpoint for sign-in in your NextJS API folder. The endpoint should take form data and use Axios to request express backend manager sign-in.
- Make sure to handle success and error responses from express API.
- Add a submit handler for the submit button for the sign-in form and request the signing API that you just created.
- Make sure to store the authentication token in the redux store and it should be stored in the cookies for server-side access.

- Upon a successful login, make sure to redirect the user to the home page.
- Make sure to handle errors correctly.

2. Challenges Listing

- To integrate challenge listings, update the URL for challenge listings in your Next.js API to point to your NestJS API, replacing the previous JSON-server setup.

- You should pass the token as a request header.

3. New Challenge

- Same as before, you need to update the new challenge API endpoint to use nest js API instead of json-server.
- Make sure to pass the token as a request header.

4. Edit Challenge

- Same as before, you need to update the edit challenge API endpoint to use nest js API instead of json-server.
- Make sure to pass the token as a request header.

5. Delete Challenge

- Same as before, you need to update the delete challenge API endpoint to use nest js API instead of json-server.
- Make sure to pass the token as a request header.

Finally, try to do end-to-end testing from your NextJS UI to make sure that challenges get listed, created, edited, and deleted successfully.