Tech stack choices

Recommended IDE: vscode https://code.visualstudio.com/

Version Control Tool: ♦ Git & GitHub: Let's build from here

Front-End: Next.js

- focus on Next.js's file system routing Building Your Application: Routing
 - · Not gonna consider Next.js's server-side rendering (SSR) feature i.e. all our components would be client component
- · in TypeScript
 - o Styling:
 - TailwindCSS

 Tailwind CSS Rapidly build modern websites without ever leaving your HTML.

 - Form submission: react-hook-form 🔳 Home
 - drag and drop (for re-ordering questions when creating a test): GitHub atlassian/react-beautiful-dnd: Beautiful and accessible dra g and drop for lists with React
 - · Global state management: react context API
 - UI lib (e.g. mui)

Back-End: Nest.js

- API: RESTful APIs
- In TypeScript
 - JWT token for authentication & authorization
- - o since postman team only supports 3 team member, we need to make our API document available to the other team
- · learning materials:
 - State Documentation | NestJS A progressive Node.js framework
 - PNestJS: The Complete Developer's Guide

Database

- MongoDB Atlas
 - o Straightforward deployment as it is out of box
 - Use 3rd party lib "Mongoose" Mongoose v8.3.2: Getting Started at the backend to access MongoDB