

## Challenge

Create a mono repo using Lerna, create two workspaces “app” and “backend” and configure the scripts to be able to start them at the same time:

- This app should be a React application.
- The backend an Express.js application.
- Use what you think is the optimal page layout.
- Use of Typescript is a bonus.
- Providing the docker file is a bonus.

App should be a SinglePageApplication(SPA) with 3 routes:

- Route 1: Used to create monsters, each monster can be modeled as an object with the following fields { name:string, level:number, type: {species:string, sub-species:string}}. The page should give the possibility to create a custom monster by providing the necessary data or creating a random amount of monsters by specifying the number that the user wants to create.
- Route 2: Display all the created monsters with a paginated view and also allow the user to choose how many monsters have to be displayed on each page. Use Cards to display the monsters. Allow the user to delete monsters.
- Route 3: Each second display a new monster and delete the monsters that have been displayed on the page for more than 10 seconds.

Other requirements:

- All the monsters have to be persistent and available on different devices. (Hint: use a DB and you can use prisma)
- Create all the express endpoints that may be necessary for the above requirements.
- Use MUI for the UI components.