Objective

Using JavaScript and React, your assignment is to create a *Search for Kits* functionality.

Recommended time

3 hours

Brief

Biobot customers receive a kit with tubes inside of it, which the customer uses to collect samples, and later sends the kit back to the Biobot lab. Your task is to build out a search view with an autocomplete functionality for our customers to use to track the shipping status of that kit. Each kit has a label on it with a unique kit identifier and FedEx tracking number. ([See attached JSON file for the data](#)). Please, reach out to Biobot if there are questions about this assignment.

Tasks

- Create an API endpoint that returns and filters kit data.
- Create a frontend allowing a user to type in a kit id and return information returned about it.
  - Feel free to use [Create React App](#) or another frontend framework.
  - This view will be used by Biobot's end customers so it should be intuitive to use, visually appealing and performant.
  - There are 1,000 kits in our current database, but it keeps growing every day so build it for scale

Notes

- Preferably, create a [Github](#) repository to turn this in. Alternatively send a zip file with your code.
- Your repo should include instructions on how to set up and run the application on a local machine.
- Be prepared to present and walk through your solution with a panel of engineers (i.e. why did you make the decisions you did and what you would do next). You will be asked to share your screen and run the app locally.
- Please turn in your work even if incomplete. We recognize that the time constraint may impact the quality of work. We encourage you to point out areas that you'd like to improve and how you might go about doing that with a TODO comment or a todo list in the README