Simple App Challenge — Web Backend

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Challenge Overview

Choose one of the following algorithms:

🗒️ **Neatly Aligned Words**

📝 **Sorting by Frequency**

For whichever algorithm you've chosen, implement a web application in Javascript (feel free to use frameworks such as ReactJS, etc.) that allows users to input parameters, calls a local backend server which executes the algorithm selected, and returns the output to the front end.

What's important here is the implementation of the backend algorithm and the design pattern of the app itself, we're not looking for fancy UI in this challenge 🙂

Deliverables

How to share out your solution

For your solution

- A a short slide presentation showing how you approached the problem
- A Javascript frontend that allows user input and viewing of output
- A Javascript or python server that executes the algorithm using a REST API
- A link to your Github repo that contains the code for your solution and instructions for running it locally
- A working demo of your app
- Details on your thoughts of when and why this would be relevant for usage in the field

High Level Goals — Software

Impact is looking to learn more about the candidate in the following ways

- Determine how the candidate approaches open ended design questions
- Evaluate specific strengths in software engineering
- Evaluate communications skills

Duration

> 💡 You may take as much, or as little, time as you want — however, we expect you to spend around 3-4 hours on the task