

P3 Interview Challenge

Senior Backend Engineer

Overview

We are interested in creating a large-scale browser-based file system, functionally similar to Dropbox's web interface, or to a folder browsing structure you might find on a Windows or macOS device. A user should be able to:

- Create folders and subfolders
- Create new files in the folders
- Search files by its exact name within a parent folder or across all files
List the top 10 files that start with a search string.
This will be used in the search box to show possible matches when the user is typing. Only "start with" logic is required.
- Delete folders and files

For the purpose of this exercise, you can assume that a file is simply its name and does not contain any other content.

Please submit an API service using a SQL or noSQL database (of your choice!). Please provide a README with instructions on how to deploy your application.

We will rate your solution on code structure, readability, and maintainability. To scope down this assignment, please don't worry about authentication or authorization.

If you have any questions, please feel free to ask!

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