

FactoryFour Frontend Dev Take-Home Challenge

OBJECTIVE: Write a status page for the FactoryFour APIs.

STACK: This should be a single-page web application written using React in either TypeScript or JavaScript. HTTP calls can be made using any library.

DETAILS:

- Each of our APIs has a health status endpoint that the public can query without authentication.
- For a successful request, each status endpoint will return four values:
 - success (boolean)
 - message (string)
 - hostname (string)
 - time (number)
- Your page should request the health status of each API every 15 seconds, always displaying the most recent result for each API.
- The endpoint URLs are of the form https://api.factoryfour.com/API_NAME/health/status where API_NAME is one of:

accounts assets customers datapoints devices documents forms invites
media messages namespaces orders patients relationships rules
templates users workflows

NOTES:

- One of the APIs is deprecated and will always return a 503 error. This information should be displayed on your status page as if it were a real outage.
- The hostname string returned by the API is partially random and a new hostname will be generated for each call. The most recent hostname should be displayed.

DESIGN CONCERNS:

- Our customers want simple, legible solutions. This status page doesn't have to look impressive or convey a brand identity, but it does have to be extremely easy to read and understand.
- The code should be easy to read, understand, and change. For example, a customer success rep might need to change the 15-second interval to a 10-second interval. Someone with a limited working knowledge of JS

should be able to find that line of code, change it on a branch in GitLab, and tag you for approval. Choose variable and file names that will help people grok your code with minimal effort.

RESOURCES:

- create-react-app (to easily get up and running with React) <https://reactjs.org/docs/create-a-new-react-app.html>

WE RECOMMEND YOU TO CHECK THIS PAGE BEFORE SENDING YOUR CODE CHALLENGE <https://jthai006.github.io/FactoryFour/>