

Industry 4.0 Academy

Node.JS API Challenge



Timestamp API

Build a full stack JavaScript app that is functionally similar to this: <https://timestamp-ms.herokuapp.com/> and deploy it to Heroku.

I can pass a string as a parameter, and it will check to see whether that string contains either a unix timestamp or a natural language date (example: January 1, 2016).

If it does, it returns both the Unix timestamp and the natural language form of that date.

If it does not contain a date or Unix timestamp, it returns null for those properties

Request Header Parser API

Build a full stack JavaScript app that is functionally similar to this:

<https://cryptic-ridge-9197.herokuapp.com/api/whoami/> and deploy it to Heroku.

I can get the IP address, language and operating system for my browser.

URL Shortener

Build a full stack JavaScript app that is functionally similar to this: <https://little-url.herokuapp.com/> and deploy it to Heroku.

User Story: I can pass a URL as a parameter and I will receive a shortened URL in the JSON response.

User Story: If I pass an invalid URL that doesn't follow the valid `http://www.example.com` format, the JSON response will contain an error instead.

User Story: When I visit that shortened URL, it will redirect me to my original link.

Image Search API

Build a full stack JavaScript app that allows you to search for images like this:

<https://cryptic-ridge-9197.herokuapp.com/api/imagesearch/lolcats%20funny?offset=10> and browse recent search queries like this:

<https://cryptic-ridge-9197.herokuapp.com/api/latest/imagesearch/>. Then deploy it to Heroku.

I can get the image URLs, alt text and page urls for a set of images relating to a given search string

I can paginate through the responses by adding a ?offset=2 parameter to the URL.

I can get a list of the most recently submitted search strings.

File Upload API

Build a full stack JavaScript app that is functionally similar to this:
<https://aryanj-file-size.herokuapp.com/> and deploy it to Heroku.

I can submit a FormData object that includes a file upload.

User Story: When I submit something, I will receive the file size in bytes within the JSON response