

iOS Engineer Homework

Task:

Imagine you are working for a new start-up that has devices that stream sensor data for temperature, humidity and air quality. You are responsible for building an IOS app to view devices and device readings for all devices in the system.

Functionality:

The application should start with a list of Devices. It should contain a details page for a device that contains some information about the device. We are providing you with a sample application with the needed apis and CoreData setup. You should incorporate the following functionality into the application.

Your app should contain the following functionality

- The app should be written using Objective-C
- Show the current devices in the system.
- A details page for a device that shows the max, min, and average
- Unit tests for functionality as you see fit

The API

The API root is <https://fullstack-challenge-api.herokuapp.com>. You can find documentation for the complete API calls below. You may use these API calls in any way you see fit to complete the requirements above.

Example call:

```
curl -H "Content-Type: application/json"-X GET  
https://fullstack-challenge-api.herokuapp.com/devices
```

Devices

Full API:

GET /devices - get all devices

GET /devices/:id - get a specific device

GET /devices/:id/readings - get all readings for a device

Deliverable:

Please include a brief README containing instructions on how to run your project and a brief overview of any design decisions you made and their tradeoffs. Diagrams are not necessary, but can be included if they help explain your work.

You should use git for your work and send us a link to your repo. If you have any questions, feel free to contact Michael Schroeder at schroeder@canary.is.