

Aura Development Baseline Mobile Test

The idea behind this test is to gauge an applicant's abilities as a mobile engineer as well as basic problem solving skills.

Domain Problem - Creating a Panic-App

The team at Aura has a fantastic platform that provides access to the closest vetted armed responder via API. However, they are struggling to sell the product without being able to effectively demo the service during a sales pitch.

They have reached out to you to build them a Panic-App that they can use to demo the service to prospective clients. They have provided you with the following minimum specification:

- Allows an app user to create a panic which uses the GPS information from their device to create a panic on the Aura API.
- Display information about the created panic to the user.
- Shows Aura branding on the app.
- The app should be able to run on both Android and iOS but for this instance the app will only need to run 100 percent on one operating system.
- App should send and retrieve information via API calls.

In addition, they have asked you to put thought into how this app could be rebranded using basic configuration. This is not a requirement but being able to demonstrate the below bonus features would come across favourably.

- Allows the app to be re-skinned with different branding using a configuration process (Bonus).
- Build the app as a Progressive Web App that can be accessed on both mobile and via the web (Bonus).

Some guidelines for the above task:

- API responses can be mocked - you are not required to implement the full API only demonstrate that the app is able to send and retrieve information via API calls.
- The Aura stack currently incorporates React into their front-ends. As such an app built in React-Native would fit within their current stack. However you are free to use whichever technologies you feel best suit the task.