**React: The task**

This task is design to demonstrate your knowledge of React, ability to build and deploy and also your ability to think architecturally about how to make code reusable. We expect you to get a lot done, but will take a partial submission. You will need to be able to talk through your code and the decisions you made during the interview.

**The brief:**

Your task is to build and deploy a simple Typescript React web app which implements 2 flows of a simple quiz application.

The are 2 main parts / screens to the application:

* Home screen. The home screen will contain 2 buttons. Each button starts one of the flows.
* Question screens, which are shown for each of the questions in each quiz.
* Score screen, which displays the score to the user and also a button to link to the home screen/.

Each of the flows displays a series of quiz multiple choice questions to the user and then takes the user back to the home page.

The quiz questions and answers come from an [API](https://s3.eu-west-2.amazonaws.com/interview.mock.data/payload.json). You will need to pull them from the API and store them as you see appropriate. The structure of the 2 types of questions differ slightly so you need to inspect the structure and understand what has to be done.

The 2 flows differ slightly:

* The first user flow iterates through all the questions and then, when all questions have been answered displays the score to the user
* The second user flow iterates through multiple sets of questions so that, when each set of questions have been answered the user is prompted to "take the next round". When all rounds have been answered, the user is given the score screen

**PLEASE NOTE.** Wireframes represent the flow, but won’t necessarily include all questions or accurate content. Please retrieve question and content data from the API.

**Wireframe:** <https://xd.adobe.com/view/36feaa87-e6e3-4cc4-4acc-91842640b5b1-40cf/screen/41bdb932-efe1-43a1-a497-8343a6713cf7/3-Call-to-Action-Footers-5> (We’re going to assume you’re comfortable with reading designs/mock ups in Adobe XD)

**Mock API:** <https://s3.eu-west-2.amazonaws.com/interview.mock.data/payload.json>

**What we are looking for**

* The basics: Built with React using Typescript, pulls from the API, the app looks presentable, the app has been deployed to S3, github pages or another static hosting service. (We don’t want it just running on your laptop.)
* That you have thought sensibly about the architectural decisions you have made. The code is structured and written in a sane, readable way without over-engineering and is spit logically.
* Sufficient documentation of the intent and of how to use the project (e.g. README)
* Reusable code is organised and understandable.