Practical exercise: front end developer.

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Prepared for:

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AUGUST

Hi Luke,

Congratulations on making it through to the practical exercise component of our interview process. We're impressed with your application and interview so far. This next step in the process gives us something tangible to assess how you respond to a brief.

Things you should know.

— The practical exercise has three activities you can complete.

- o The activities increase in difficulty. We think of our practical tasks like a session at the gym. Each activity requires you to put some extra weight on the bar and see how far you can push.

- o It is not mandatory for you to complete all three but it will help us to assess your capability if you do attempt all three.

- o Try and avoid using off the shelf jQuery plugins. We want to be able to review your code.

- o It's up to you how you interpret these tasks and how you balance pushing creativity with the time you have available to complete the challenges.

— Please ensure you include all relevant links, such as static HTML pages with Javascript and CSS, and zipped files in your response.

— If you have any questions regarding the exercise please contact Sarah.

The activities.

Activity one.
Based on the PNG image sent with this brief, please outline:

— Any technical challenges you anticipate during build.

— Any UX, UI or accessibility issues you can identify.

— Considerations for building the design out responsively.

— Any opportunities you see to make the build process more efficient.

— What you see that would bring the design to life (through interactions, animations etc.)

Your response is best provided as notes or markups.

NB: There's no expectation for you to build anything - we're looking for the thinking and questioning of a design prior to build starting (while there's still a chance to change things easily).

Activity two.
Take the design in the link below and create a response landing page, all images included in the Figma design to create the landing page and Lato Google Web Font should be used.

It is up to you how far you go with the design but we'll be looking at the following:

— How responsiveness has been handled

— User interaction states on elements

— Has the page been coded in a way that it can be extended upon down the track

— Any extra effects or polish on the final page

To be clear, we do NOT require the end product to be pixel perfect to the design. We also won't be going crazy with browser testing at this point. As long as it looks fine in Chrome and Edge, don't spend much time going further than that.

Required font: https://fonts.google.com/specimen/Lato

Required design:
https://www.figma.com/file/iQPrgytm6aAaivfU5p1Hzj/FED-Practical?node-id=0%3A1

Activity three.

This is the black belt task. The one where you pull out all the stops and push as hard as you can to build something awesome.

Choose your preferred JS framework and create an app which allows users to search and play YouTube videos via the YouTube API. Anything goes here. Use whatever JS based technology you're comfortable with.

You also need to enable users to manage local storage and curate a list of selected or favourite YouTube videos so they can come back to those clips and watch them again.

We'll be looking specifically at your approach to a full project in JS that makes use of a Restful API. Although this task is dev focused and a chance for us to assess your application of your chosen tools, we value beautiful and slick interfaces. Demonstrating your eye for design coupled with your coding skills won't be overlooked. You may want to read that last sentence again.

Good luck!