CDIO Full Stack Developer Technical Test

The CDIO technical test is a 1hr session where you will solve a small problem, and talk through your approach with a panel.

The task

Create a small web-based form to submit contact information, based on the example below:

How would you prefer to be contacted?

Select one option.

⬤ Email

> Email address
>
> [   ]

◯ Phone

◯ Text message

The form should ask the user their contact preference, and conditionally reveal a related field based on the radio option selected to allow the user to complete the value (e.g. email address, phone number).

The submitted information should be stored somewhere, and a suitable response returned to the user.

Preparation

Please set up the skeleton of your environment and any relevant frameworks before your test time. We want to see you working on the problem we've set up, not waiting for boilerplate framework installations.

You are also encouraged to plan how you will solve the problem in the short time available, and to use the GOV.UK Design System.

On the day (1 hour)

We'll ask you to share your screen, and then for you to talk us through the preparation you've done (such as how you've set up your environment).

Once you've done that, you will have 45 minutes to work through the problem.

You are not expected to finish everything to a production standard. We are more interested in your approach and communication skills.

If there is something you'd normally do, but are choosing not to do during the exercise (e.g. a full test suite, detailed validation, etc), then ensure that you explain this to the panel, including the approach you would take with more time.

Assessment

We will be assessing you on two areas:

- Your technical ability (what you build, and how you do it.)
- Your communication and planning skills.

We want to see how you can use the basic building blocks of HTML, CSS, and JavaScript to solve the problem, rather than your in-depth knowledge of a specific client-side framework.

Guidance

You might want to read up on (and potentially use) the following, which gives some background and detail on the principles we apply when building digital services:

- [The GOV.UK Design System](#), containing GOV.UK styles, components and patterns.
- [The GDS Way](#), containing information about how we build and run services.
- Information in the Service Manual about [progressive enhancement](#) and [accessibility](#).