

1. How long did you spend on the code test?

In total, -8 to 9 hours including 1 hour of preparation in researching and understanding what to do.

2. What went well?

Relative ease for integrating the chosen frameworks.

The preparation helped to visualise what the graph is to look like and ensured that the visualisation framework was suitable for the task.

3. Was there anything that was attempted but was not possible to get working in the time so is not visible in the code?

I wanted to show a tooltip for when the user hovers over a major tick on the graph to show the nearest point's value but had not been able to without also showing a tooltip for each month on the graph.

4. What would you do to improve it / continue development?

User Interface - Currently there are no styles applied to the input boxes. I would try to align the text boxes and labels. This could either be done using a table within html or utilise a framework like Bootstrap.

The dropdown box to select the risk level can also become radio buttons for ease of use.

Removing the submit button and having on change handlers to generate the graph would improve user experience as the user can change the values to fine-tune the graph more easily.

Input validation - There are no validations applied to the input boxes; Anything can be entered into these boxes. These should be limited to only numeric values.

An error message for when an error response is returned from the api

Interacting with the graph - Being able to zoom in and out on the graph would also be something good to have as currently it is hard to see the exact boundaries surrounding the graph line.

Automation tests - Having unit and integration tests to ensure everything is working properly