

Bondstein Front End Developer

Task 1: Create a responsive navigation bar using HTML5, CSS3, and JavaScript.

Brief: Use HTML5 to structure the navigation bar. Utilize CSS3 for styling and ensure it's responsive to different screen sizes. Implement a JavaScript functionality that toggles a dropdown menu in mobile view.

Deliverables: HTML file, CSS file, and a JavaScript file showcasing the navigation bar.

Task 2: You are working on a dashboard using ReactJS and Tailwind CSS. The dashboard displays data charts which are fetched from a REST API. However, the charts are not updating in real-time as new data arrives from the API.

Question: How would you troubleshoot and resolve this issue ensuring the charts update in real-time as the data changes? Explain your approach, potential challenges and the overall thought process.

Deliverables: Your answer in a document/pdf file.

Task 3: Given a number and a list of numbers in non-decreasing order, find two indices of the list whose values add up to be that number. Write the most efficient code you can think of. Use a language of your preference. If there are no such numbers in the list, report that.

Deliverables: The code in your preferred language.