To proceed with the next stage of our hiring process, please follow the instructions below:

Choose a piece of code that you have written recently and are proud of. We are not looking for full applications, but rather a sample that highlights your expertise in frontend development.

Upload the code to a Github gist (https://gist.github.com). Make sure the gist is set to "public" so our team can review it.

Include a README file in the gist that describes the following:

a. A brief overview of the code you've chosen to share with us.
b. Background information about the code's purpose and functionality.
c. Technical considerations you had when building this piece of code.
d. Challenges you encountered and overcame during the development process.
e. What you would have done differently or improved upon if you had more time.

Once you have completed the above steps, please share the link to the Github gist with our team.

Our team will review your submission, and if we are interested in moving forward, we will schedule a meeting with you, an engineer, and an engineering manager from our team. During this meeting, we will review your code live and ask questions such as:

1. How would you rewrite this section of the code for better readability or maintainability?
2. What steps could be taken to improve the performance of this code?
3. How would you optimize this code for cross-browser compatibility and responsiveness?
4. Can you identify any potential security concerns or vulnerabilities in this code, and how would you address them?
5. How would you refactor this code to make it more modular and reusable?

The goal of these questions is to gain a deeper understanding of your problem-solving abilities and coding practices. We look forward to reviewing your code sample and learning more about your frontend development experience.