Тестовое задание на позицию Frontend-разработчика

Задание нацелено на оценку уровня владения языков программирования, сопутствующих технологий и способности разобраться в новом материале при необходимости.

Задание составлено на английском языке, т.к. большая часть технической информации в будущем будет доступна именно на нем.

Ответ следует направить на электронную почту в виде ссылок на работающий веб-сайт с реализованным функционалом и проект на github.

The Task.

Create a simple two-page website that includes a main page, a contact page with a form, and a basic backend that can respond based on the form data.

Links for the mockups:

1. Main page
   https://download.cadexchanger.com/documents/hiring/frontend/main.svg
2. Contact us page with form
   https://download.cadexchanger.com/documents/hiring/frontend/form.svg
3. Contact us page after submission
   https://download.cadexchanger.com/documents/hiring/frontend/response.svg

Functional requirements:

1. The pages should include elements from the mockups in the same relative positions; however, exact colors, spacing, and other styles are not required (consider the mockups as wireframes).
2. The pages should be responsive. The mobile layout is up to you; please use common practices and patterns to create a usable version with minimal effort.
3. Both pages should have a sticky header and a footer
4. On the main page in the first section on the right side (see mockups), there should be an embedded youtube video from the following link
   https://www.youtube.com/watch?v=dQw4w9WgXcQ.
5. All 'Contact Us' buttons should link to the Contact Us page.

6. All fields in the form are required.
7. Upon submission, the form should send input data to the backend.
8. The backend should log the data to the console and respond with the message: 'Thank you for your interest, {Name},' where {Name} is replaced with the user's submitted name.
9. After receiving the server response, the Contact Us page should update to display the message.
10. Any implementation details not specified here or in the mockups are up to you.

Technical requirements:

1. Everything should be written in Typescript.
2. The frontend part should be written using React and a third-party component library (Ant Design, Material UI, Radix, React Aria, etc.).
3. For styling, use any modern CSS-in-JS library (e.g., Panda CSS, Stitches, Styled Components).
4. You should use a meta-framework or preconfigured bundler (Astro, Vite, Next).
5. All pages and elements should follow common-sense SEO and accessibility best practices, with special attention to Core Web Vitals and heading hierarchy.
6. The form must be built using components from a third-party library.
7. Form fields should be customized using CSS (including non-default states such as "focus").

Additional assignments (these will help you stand out).

- We're looking for developers who are comfortable with CSS, so please demonstrate a cool, uncommon, or cutting-edge technique and describe it in the README.
- Implement the tags required for the social media preview of the page (Open Graph, twitter cards).

Tip 1: Backend.

For this task, a cloud function should be enough, but you are free to implement a full server.

Tip 2: Hosting.

Finding free and reliable hosting for a site like this is fairly easy. Options include Netlify, Azure, AWS, and Yandex Cloud.

Tip 3: Youtube.

You will struggle to reach an acceptable Largest Content Paint value if you use YouTube's embed as is. Look for the third-party libraries that address the issue.

Tip 4: Write a readme.

In the github repository add a readme file that describes the main aspects of the project such as:

- Project setup instructions / Hosting details
- Styling, SEO, and performance strategies used
- Any assumptions made