Frontend Developer Assessment

Situation

You are a frontend developer who has received a design handoff from an external designer. The design is for the homepage of a new website for a social housing corporation. The design has been provided in a Figma file, and it includes only the desktop version of the homepage.

Assignment

Your task is to create a fully functional, pixel-perfect implementation of the provided design using either NextJS or ReactJS along with TailwindCSS. You will also need to consider the overall structure of the project, ensure responsiveness for different screen sizes, and compile a list of any questions or remarks you would have for the designer regarding the design.

Figma design

https://www.figma.com/design/yk8VeMolGqLDi4KDQTkYIT/KnusWonen?node-id=0-1&t=CcBceBIUCvCoP8mp-1

Password: coyote-serifs-carrot-chart

Assessment Criteria

1. **Project Setup and Structure**
- Initialize a new project using NextJS or ReactJS.
- Set up TailwindCSS for styling.
- Organize the project structure in a clear, maintainable way, following best practices for component organization, file structure, and naming conventions.

2. **Pixel-Perfect Implementation**
- Translate the Figma design into code with exact precision.
- Ensure that all elements, from typography to spacing, match the design provided in Figma.

3. **Responsive Design**
- Implement a responsive version of the homepage, based on the desktop design provided
- Consider various screen sizes (e.g., tablet and mobile) and implement breakpoints as necessary.
- Provide a brief explanation of the approach used for responsiveness (e.g., TailwindCSS utilities, custom media queries).

4. Code Quality
- Write clean, well-documented code.
- Ensure the code is readable and maintainable, with comments where necessary.
- Follow best practices for React/NextJS development, such as proper state management, component decomposition, and use of hooks.

5. Designer Feedback
- Provide a summary of any questions or remarks you would have for the designer if you were working with them directly.
- Mention any ambiguities or areas of the design that may need clarification.
- Suggest potential improvements or alternative approaches if relevant.

Deliverables

- A GitHub repository with your project code.
- A README file explaining how to set up and run the project locally.
- A short document (or README section) outlining your approach to responsiveness and any feedback you have for the designer.

Evaluation

Your submission will be evaluated based on the following:
- Accuracy of the design implementation.
- Code quality and project structure.
- Responsiveness of the design.
- Clarity and insightfulness of the feedback provided for the designer.

Good luck, and we look forward to seeing your work!