



# Frontend Engineer Task



Your task is to develop an AI-assisted editor.

## Functional Requirements

1. Build a UI which has a text editor box, and a button called "Continue Writing".
2. The user should be able to type text into the editor box.
3. When the button is pressed, an AI should "continue writing" inside the text editor.

## Technical Requirements

1. Use TypeScript as your programming language.
2. Use React as the frontend library.
3. Use XState for managing state.
4. Use Prosemirror as the text editor library.

## Evaluation Criteria

1. The requirements above are deliberately broad. We'll evaluate how you make sense of them, and expand on them to make a concrete app.
2. Whether you have met the functional and technical requirements (Important! Submissions that don't meet the criteria will likely be rejected).
3. How well you've understood patterns in React, XState and Prosemirror.
4. Your understanding of the codebase, and your ability to explain it.

5. Your sense of design and aesthetics.

## Guidance on AI Assistance

At Chronicle every engineer uses AI assistance in their day-to-day work. We just have one policy: no matter who wrote your code, if you submit a PR, you are responsible for understanding how it works.

## How to Submit

1. Submit a link to a public Github repository with your code.
2. Submit a 5 minute walkthrough video explaining your implementation. Here are a few things (not exhaustive) that it can contain:
  - a. A rationale for your software design choices.
  - b. Problems you encountered and how you solved them.
  - c. Your usage of AI-assisted coding tools, and how they helped (or didn't).