

## Project Overview

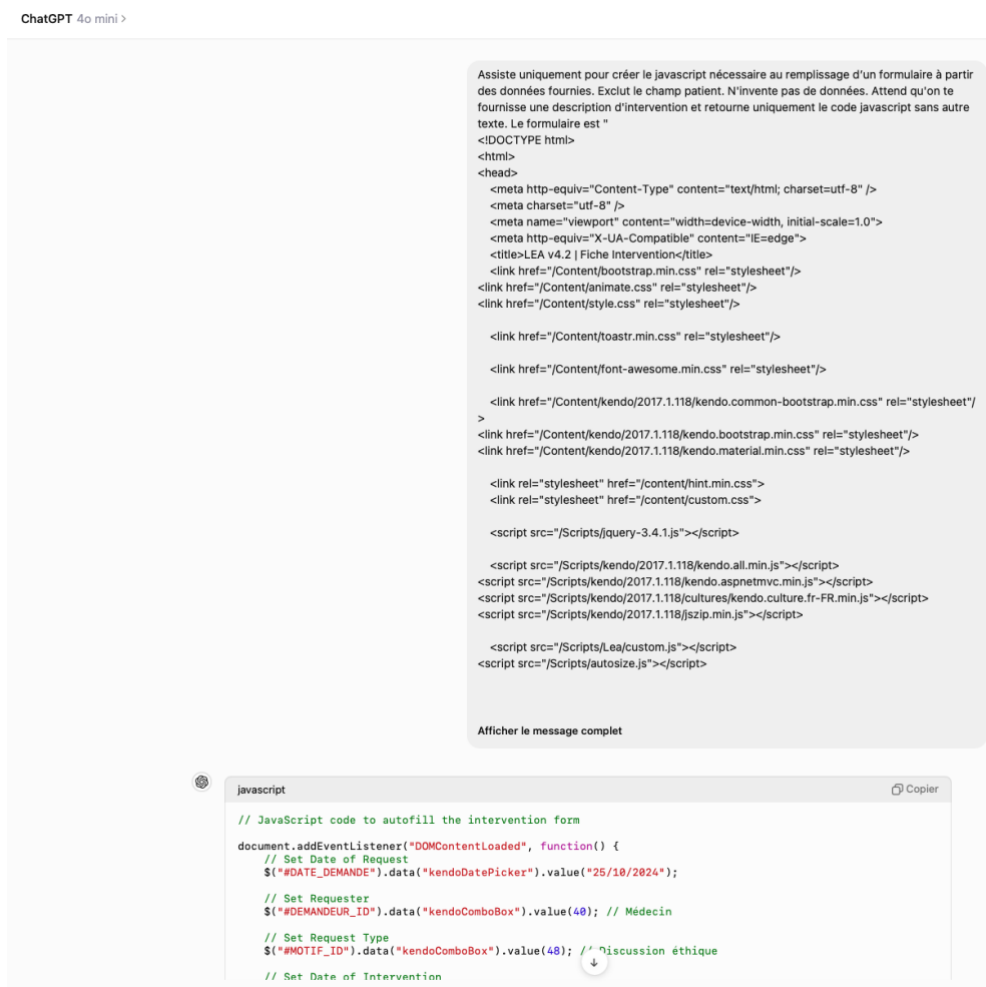
We are developing a data entry web application for healthcare professionals, with the goal of simplifying data input through audio-to-form functionality. The app currently uses:

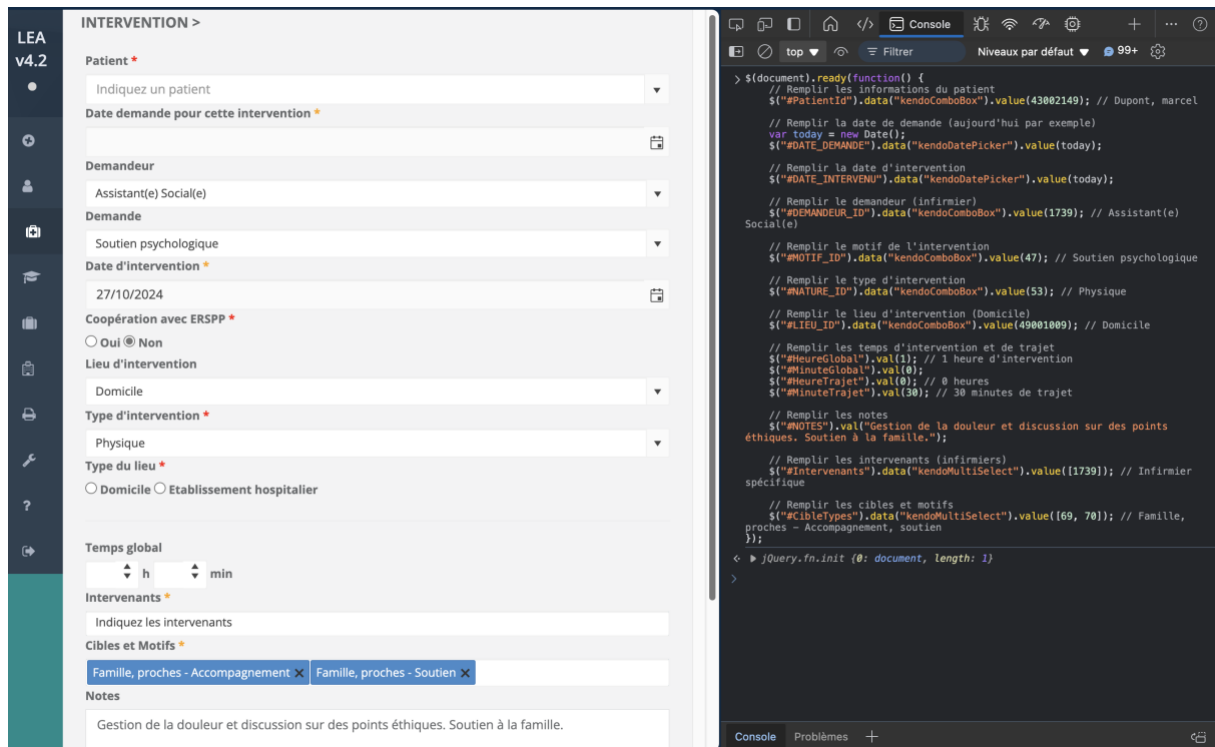
- **ASP.net MVC and jQuery** for the framework
- **Azure SQL Server** for database management
- **Azure OpenAI** with the GPT-4o model (switching to o1-mini when available in the France region)

The application records activity data from healthcare professionals, which is time intensive. To optimize this, we aim to implement an audio input feature that allows users to dictate their entries, which are then automatically populated into the form.

## Proof of Concept (POC)

We've tested the GPT-4o model, which successfully generates client-side JavaScript for automatic form completion. Now, we need a developer to refine and implement this feature.





**Prompt** used was: Create the necessary JavaScript to fill out a form based on the provided data. Do not invent any data if it cannot be deduced. I will provide an intervention description, and return only the JavaScript code without any additional text. The form is the ‘*entire HTML code of the web page minified.*’

## Developer Task

- **Create HTML UI and JavaScript code** that will populate a form based on provided audio data. The code should
- **Setup Azure Open AI** backend
- **Integrate smoothly** with the existing HTML form
- Avoid external dependencies that aren’t already part of the stack.
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## Interaction Flow

1. **Assistant Activation:** The user clicks to activate the assistant.
2. **Prompt Display:** A sidebar opens with the prompt, “What needs to be recorded?”
3. **Input Options:** The user can type or select a “microphone” icon to record.
4. **Audio Capture:** On microphone click, the user dictates their message.
5. **Transcription:** The system transcribes the audio and allows the user to edit it (like ChatGPT).
6. **Submission:** The user submits the message.
7. **Processing:** The assistant processes the text, generates JavaScript to fill out the form, executes the code, and sends a confirmation message.