Objective:
This pre-work is designed to assess your user needs, problem-solving, design, and coding skills. You will reimagine the ChatGPT interface in a healthcare setting by identifying its flaws and suggesting improvements and then implement a prototype of your design.

Timeline:
The entire task must be completed within 3 days. It is recommended to spend 1 day on Task 1 and the next 2 days on Task 2.

Task 1: Design a Reimagined ChatGPT Interface

Objective:
Your first task is to critique and redesign the ChatGPT interface. Identify areas for improvement in the user experience and suggest design changes. Your new design should address these flaws and enhance the overall user interaction.

Requirements:

1. Analyze ChatGPT: Start by examining the current ChatGPT interface. Identify at least three aspects that could be improved. These could be related to the UI/UX design, functionality, accessibility, or any other area you believe is lacking.

2. Design Your Prototype in Figma: Using Figma (https://www.figma.com/) create a prototype of your redesigned ChatGPT interface. Your design should address the flaws you've identified and demonstrate how your changes will improve the user experience.

3. Explain Your Design: Along with your prototype, prepare a brief explanation of the changes you've made and why. Highlight how your design solves the issues identified in the original interface.

Deliverables:

Create a documentation report and add Task 1 heading in it. Then attach a link to your Figma prototype and write a short explanation.

Task 2: Implement the Prototype with React and MongoDB

Objective:
For this task, you will take your Figma prototype into development by implementing it using React for the front end. You'll also set up a MongoDB database to store prototype chats locally on your machine. The goal is to create a working prototype that can be run locally, demonstrating the functionality you've designed. Remember, the focus is on the front end; you are not required to implement any language model capabilities.

Requirements:

1. React Implementation: Develop the front end of your redesigned ChatGPT prototype using React. Your implementation should be responsive and adhere closely to your Figma design in Task 1. The application should be set up to run locally on a machine using tools such as Visual Studio Code (VScode) for development.

2. MongoDB Database Setup: Install and set up a MongoDB database on your local machine to store the chat interactions. Design the schema in a way that supports future enhancements, such as adding a language model capability (**The language model capabilities are optional but a good to have**).

3. API Calls: Implement API calls that simulate fetching and sending messages to the chat interface. These should interact with your MongoDB database to store and retrieve chat data. The focus is on demonstrating how the system could work with actual data, rather than on the chat logic itself.

4. GitHub: Push your code along with sample MongoDB database to a public GitHub repository.

Deliverable:

In the same documentation report, now add Task 2. Under that add a link to your project on GitHub. Also describe detailed steps on how to run your code and any specific instruction which needs to be taken care of. You can also describe any challenges you faced while completing the pre work.

NOTE: Prioritise the most important elements of the prototype first. For example, in task 2 you should prioritise setting up of MongoDB and fetching the data using API calls. Then you should work on other functionalities of the reimagined chatGPT.

Submission Guidelines

1. Submit your work using Google Drive. Give access to all with the link. You would have received a task submission form. Make sure you copy and paste the right link. Check the sharing setting before pasting.
2. Rename the folder using the following Nomenclature: Name_Role_Organisation For Example : **RAM KUMAR_FRONT END INTERN_POSTCARE.AI**
3. Add your documentation report in **PDF format**. Add it to the TASK subfolders. Ensure proper file nomenclature and working links for both TASK 1 and TASK 2.
4. Deadline: **3 days in total**. The deadline will be shared with you on LinkedIn. Kindly demonstrate professionalism in adhering to the deadline.
5. Please attach a **reference/bibliography** if you have referred to other sources. For example : Research Papers, Blogs, Media or AI.
6. State your **assumptions** while completing the respective tasks if any.

Good luck! We're excited to see your innovative approaches to reimagining and implementing the ChatGPT interface.