

Security

One major constraint of our project is security of the private information shared by users with the LLM in our product. This will require us to implement robust security measures for our product to ensure there is no unauthorized access to users' private data. We need to create a secure sign-in for the user, including two factor authentication, to verify a user's. Only after a user's identity is verified will they be granted access to view previous messages or information. Additionally, we need to verify that our database is correctly configured to protect against risks such as viruses or attacks, including SQL injections.

Ethical

Another constraint is the ethical responsibility of ensuring that our products responses are appropriate and safe for users. Since our project uses an LLM, we must guarantee that the LLM does not promote unhealthy thoughts, self-harm, or any other harmful behavior. Significant effort will be invested to implement guardrails to ensure the response are positive and constructive. We will conduct extensive testing and include response feedback options, allowing users to report and help filter out possibly harmful responses.

Professional

A final constraint of our product is the specialized knowledge required in cognitive behavioral therapy (CBT) and LLMs. Our finalized product should guide users through the stages of CBT using a mix of static forms and conversation with the LLM. This will require in-depth research into the CBT process and the best methods for implementing each stage. Collaboration with professionals in these fields may be necessary to ensure that the LLM and CBT components both function correctly.