Jayden Sipe

CS410 Text Information Systems
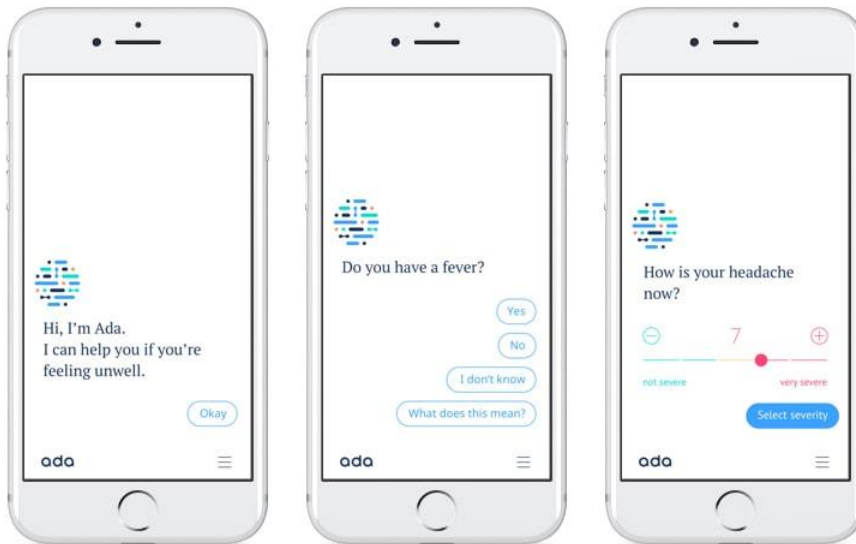
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Progress Report

1. Which tasks have been completed?

I have completed basic integration with ChatGPT and my smart device (LIFX light bulbs). This was done using tensorflow and spaCy for training. I switched out NLTK for spaCy from my project, based on research from the technology review. I have also created a basic GUI for the application to use, using tkinter.

I explored local LLM's, but determined for now that local LLM's are still too large/demanding for PC's. I am using my own personal OpenAI key for now but hope to get this running on a local LLM one day.

2. Which tasks have been completed?

I have yet to complete the implementation that will allow use of a microphone to talk to the app. The GUI also has a lot of work to be done. I intend for it to look something like this:

3. Are you facing any challenges?

Besides the initial hurdle of determining local LLM's weren't right for this project, I am not currently facing any challenges.