Interim Status Report I

CISC 4900, Fall 2018
October 12, 2018

Project definition

Kaiya is a Tamagotchi-style virtual pet and chatbot that also doubles as a mood-tracking app. Essentially, Kaiya progresses or grows with each conversation that the user has with her. We intend to utilize sentiment analysis to deduce the user's mood in each of these conversations, and allow the user to track and view their moods over time, as well as any previous conversations.

We also hope to add additional interactions (feeding, cleaning, petting, etc.) that the user can select each day, but weight these interactions substantially less than the daily conversations. In addition, we also hope to include a variety of animations (sad, happy, waving, etc.) for Kaiya. Also, we hope to add the ability for the user to track other habits (sleep, eating, exercise, etc.) and for Kaiya to provide basic information about mental illness, possible mental health treatment options, and other resources. Furthermore, we also hope to extend Kaiya's conversational abilities to the point where conversing with her feels very natural and friend-like.

We also hope to analyze and identify possible trends and risk levels in the user's mood. In addition, we also hope to identify which words or concepts are commonly associated with negative or positive mood levels and show this information to the user. We intend to include the ability to share this information and quickly communicate with a trusted individual, like a caseworker or possibly a therapist. If we are somehow able to make this application HIPAA-compliant, we also hope to include a method to communicate with various emergency hotlines and other low-cost services.

Completed tasks and progress to date

- Onboarded team members
- Set up Git repository
- Conceptualized additional features
- Researched alternate project names

Task outline

- Research and define requirements
  - Establish core features
  - Select core frameworks/tools
  - Write backlog
- Design UI and UX
  - Select fonts
  - Select color scheme
  - Design layout
  - Select or design base image/model
- Develop core web application
- Design end-game
- Integrate Google Assistant access and communication (stretch)
- Integrate SMS communication (stretch)
- Develop mobile interface (stretch)