Practicum Sprint #5

Mental/Physical Illness Chatbot

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1 ACCOMPLISHMENTS THIS WEEK

1.1 Akshay Sathiya's Progress

Akshay was on Spring Break this past week and was not able to work on the physical illness prediction (PIP) ML model for the physical illness dataset (Patil, 2020). He will continue working on the PIP ML model in the next sprint. Akshay will write code to evaluate the models using the F1 score and K-fold cross-validation. He will also write code to extract symptom information from text, construct feature vectors, and process the outputs of the models into a simple and easily understandable form.

1.2 Pranav Khorana's Progress

This week, Pranav created the login, register, profile, about, and chat screens, and added React navigation components to navigate between them. This involved the use of bottom tabs to switch between screens, a login button to access more of the application, and a logout button. Next week, he plans to add functionality and components to each of the screens.

1.3 Rahul Chawla's Progress

This week, Rahul was not able to complete tasks, as it was Spring break and he was out of town and away from his computer. Rahul will continue on his tasks this week.

1.4 Tusheet Goli's Progress

As previously mentioned in last week's Sprint 4 assignment, Tusheet was unable to work on this project this week due to being away on Spring Break from March

18th to March 27th. He will start working on the chatbot functionality during Sprint 6.

1.5 Tejas Pradeep's Progress

Tejas was unable to work on much this week due to spring break and lack of access to the internet while on spring break. Tejas was out of town from March 18th to March 28th.

1.6 Sanket Manjesh's Progress

Sanket was able to connect the Flask server to the front-end application and is starting to run tests on sending requests/responses back and forth between the front-end application and the server.

2 CHALLENGES ENCOUNTERED

2.1 Sanket Manjesh's Challenges

Sanket was away for Spring Break from Saturday through Thursday and as a result, did not work those days. However, I worked on some of my parts during Friday and Saturday and will make sure to continue throughout the next week on Sprint 6.

2.2 Tejas Pradeep's Challenges

Tejas was out of town from March 18th to March 28th and was unable to work much this week.

2.3 Tusheet Goli's Challenges

Tusheet left for spring break on Friday, March 18th, and was back only on Sunday, March 27th. As a result, was unable to work on this project during Spring Break. But he plans on stepping up the pace and getting more done after spring break to make up for this lost time.

2.4 Akshay Sathiya's Challenges

Akshay was on Spring Break for the past week and was unable to work on the project. He will continue where he left off for Practicum Sprint #6 and will spend

more time working on the project this upcoming week to make up for the lost time.

3 FUTURE PLANS

The team was not able to get work done the past week due to Spring Break. For next week/sprint, we will resume where we left off and work on the tasks as per the schedule. The team as a whole plan to put in more time this week to account for the lost time due to Spring Break.

4 REFERENCES

1. Patil, P. (2020, May 24). *Disease Symptom Prediction*. Kaggle. Retrieved March 6, 2022, from https://www.kaggle.com/itachi9604/disease-symptom-description-dataset