

CS410 YJA Final Report

Members

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We completed most of what we have planned in our proposal. We built a financial chatbox called InvestBuddy and hosted a web application for it.

We designed the frontend of the web application through the implementation of reactJS, and making sure it is easy to use and navigate, and making sure it includes all the functionalities of our model.

We completed the search bar, which can be considered as one of the chatbot basics. The idea is that when the user enters a keyword in the search bar, the web app will recommend the relevant articles to this user. So in this sense, our chatbox is quite similar to a recommender system.

In addition, we incorporated the sentiment analysis component into our chatbox. The sentiment analysis allows us to change what type of responses our chatbot will send back to the user's query. In particular, our chatbox will respond differently depending on whether the question sounds positive or negative.

Originally we also planned to have a database that potentially store different links or keep record of feedback from users, but we did not complete this part due to the limited time.

In this project, we got the expected outcome. We designed a search bar, which is pretty much like a chatbox. And it can respond to the user's inquiry in a quick manner. As we presented in the video, it is able to give accurate response to the user. Also, the actual response might be a little different based on the sentiment analysis of user's question.