

YJA Group Progress Report

Members

Xianghe(Jade) Xu xianghe3
Yuhua Weng yuhua2
Anthony Huerta ahuerta4 (Captain)

Current Progress

So far for this milestone, we have had the chance to start working on the front end for our website application. It is currently still a little rough since we have considered multiple different layouts but now that we have settled on one, it just requires some styling. We have also completed compiling our dataset for the investing articles.

Pending Tasks

Since we have modified our schedule, we will delay the task of building and training models. That is, we need to build the model that can drive the robot to communicate with people and make recommendations; we need to evaluate the model based on the user feedback and performance of the chatbot. In addition, we may need to polish the parameters to improve the models' performance.

Challenges

Currently, the primary challenge we are facing is building out the NLP components so that they show up on the website. Because we are more comfortable building those components in Python we are not completely sure of how to integrate it into our website. We are currently looking into a couple of different approaches such as using AWS Lambda to run our component in Python and have the information sent to the ReactJS front end. We are also looking into whether there is an easy way to build this logic using JavaScript so no outside services are required.