

Project 3

The model-based approach may be better in the long-term, that the program would learn how people rate and give a suggested response. The current memory-based approach is only useful if we have a basis with a good amount of diverse ratings for each item. However, this ideal situation is not the case and it is costly to keep the memory-based collaborative filtering model up to date. The current implementation of collaborative filtering uses responses that are saved from past ratings in order to suggest a certain rating for a dish. The model-based approach is also not always cost-effective as it may need load to calculate over a longer term, needing to learn versus the memory-based approach may be cached to make it faster in the future. However, for the memory-based approach, it would cost human effort as we would need to take into account for situations where we don't have enough responses.