Restaurant Recommendation System

Milestone 6 Evaluation

Students:
Kevin Grondin (kgrondin2018@my.fit.edu), Parthil Jagani (pjagani2018@my.fit.edu), Isaac Miller (imiller2018@my.fit.edu), and Jacob Miller (jmiller2018@my.fit.edu)

Faculty Sponsor: Dr. Bhattacharyya (sbhattacharyya@fit.edu)

Client: Dr. Bhattacharyya (Department of Computer Engineering and Sciences)

Current Progress

Task	Jacob	Kevin	Parthil	Isaac
Implement final decision-making algorithm into single application	35%	25%	15%	25%
Resolve issues with complete app (UI/Navigation, Firebase, etc…)				15%
Record video demo	25%	25%	25%	25%

Discussion: Accomplishments and Obstacles

Task 1: Implement final decision-making algorithm into single application

Since we were unable to get our mobile app fully up-and-running, we opted to prepare a Python-based client and server application for showcase that emulates what would be occurring in the mobile app. The client application gathers restaurant preference data from an individual, then it sends it to the server application. When the server has received data from all clients, it runs the recommendation algorithm on the data and returns a recommendation to each client.

Task 2: Resolve issues with complete app (UI/Navigation, Firebase, etc…)

Despite improvements made to our system since the previous milestone, continuous development and testing of the app in action proved difficult. Due to the nature of our cloud-based chat message database, the priority of the upcoming showcase, and general unfamiliarity with the React framework and Google Firebase API, our group opted to shift our focus from the mobile app to developing a web-based application with which to present.

Task 3: Record video demo

Self-explanatory. We recorded demos of our client and server applications in-action.

Discussion: Individual Participation

Kevin Grondin:

Led development of showcase Python server application. Assisted in demo.

Parthil Jagani:

Assisted in creation of showcase Python client application. Assisted in demo. Attempted to build mobile app version of application.

Isaac Miller:

Assisted in creation of showcase Python client application. Assisted in demo. Briefly worked on Firebase issues.

Jacob Miller:

Led group discussion and planning. Led development of showcase Python client application & assisted in demo.

Discussion: Future Work

There are a handful of features that would be desirable for this project in the future, the first being completing the jump from a desktop application to a mobile application. Additionally, fine-tuning the recommendation algorithm as well as possibly incorporating neural-network-based machine learning elements into it would likely prove to be beneficial for performance and user satisfaction.

Milestone 5 Client Meeting

Date of meeting: 3/24/22

Client Feedback on Milestone 5:

See Faculty Advisor Feedback below.

Milestone 6 Faculty Advisor Meeting

Date of meeting: 4/28/22

Faculty Advisor Feedback on Milestone 5:

Task 1: Implement final decision-making algorithm into single application

Task 2: Resolve issues with complete app (UI/Navigation, Firebase, etc…)

Task 3: Record video demo

Faculty Advisor Signature: _____

Date: _____

Milestone 6 Faculty Advisor Evaluation

Kevin Grondin	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Parthil Jagani	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Isaac Miller	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Jacob Miller	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____

Date: _____