

Restaurant Recommender

Reflection Document

User Guide:

Thank you for choosing to use our program. This program is designed for residents of Mountain View, CA. It is in a demo phase designed for only one city. Future versions will incorporate more cities. *(Keep an eye out!)*

Please use the following guide to use this program:

- 1- The user is asked if he/she is located in Mountain View, CA. If so, the following prompts will appear.
- 2- The user is prompted to enter his/her address.
- 3- The user is prompted to choose which cities he/she would like the restaurants to be located in.
 - For our demo program, only restaurants in three cities were incorporated in our dataset — Mountain View, Sunnyvale, Cupertino.
- 4- The user is prompted to choose how far he/she would like the recommended restaurants to be located.
 - For our demo program, only 5 or 10 miles are in options.
- 5- The user is prompted to choose his/her dietary preferences
 - Vegan, Vegetarian, Neither
- 6- The user is prompted to choose his/her budget
 - \$ Ranking system.
- 7- The user is prompted to choose his/her restaurant rating
 - 1-5
- 8- The user is prompted to choose his/her food type
 - Asian, Greek, Italian, Burgers, Mexican, Fast Food
- 9- The user has the option to change any of his/her inputs at any time.
- 10- The user is prompted if he/she would like to see the recommendations. If so and if there are recommended restaurants based on the user's preferences, they will be printed. Otherwise, a message will be printed that there are no restaurants based on the user's preferences in our database.
- 11- The user is asked whether he/she would like to go again.

My Reflection:

- I. This was my very first program and I had a great time developing it. I finished everything I had planned in my design document. In the future, I am planning to expand upon this program to be more comprehensive.
- II. For this document, I used 50 restaurants that I found on yelp from Mountain View, Sunnyvale, and Cupertino. I had to compile the data manually in an excel sheet. For my more comprehensive program, I will pull data automatically from yelp. There would not be a need to compile data manually.
- III. The "Address" class gave me a hard time. It was a challenge for me to implement this part of my code. I had to find information from Google on how to do this. In the process, I learned quite a bit of new information.
- IV. Based on the professor's recommendations, I incorporated some colors in the code which made the user experience friendlier.
- V. Unfortunately, I did not get a chance to turn my program into an app. For the more comprehensive program, my final version would be an app.
- VI. Overall, this project made me feel more comfortable with python. I will develop more programs for myself in the future to make my daily routine easier.

