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INST326 - 0105

Professor Cruz

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Final Project Documentation

What our project is and what it does:

Our project intended to reduce food waste by streamlining the donation process. Sorority and fraternity housing meal plans contribute to the mass amounts of food waste our population faces. Unfortunately connecting with service areas or food banks in your area can be tedious and slightly annoying, so our script functions as the middle man, making it quick and easy to donate their extra meals to individuals or families in need. Focusing mainly on user input the script is really catered to each day and meal the Greek life housing has that day (weight, allergies, amount, etc.). Making it specific enough for food banks to control the population who would be receiving these extra meals. After most input steps are completed the script will prompt the user to select a drop off/pick up time and a weight in lbs of all meals, which will then connect them to a food bank who is able to accept. With all contact information provided, the last steps are in the hands of the specific chapter house to communicate with the food bank about whether they will be dropping off or picking up.

How to run through the command line:

The command line will prompt you to begin the process by printing a welcome message. Step by step the script will print messages as well as ask for user input to follow all the necessary steps, to which the user will type their preferences. Once all inputs are complete the command line will display the inputs in a mannerly fashion, including the address of the chapter house, the food bank, and all the necessary contact information to proceed.

How to interpret the output:

The output of our script is the receipt the chapter receives after their order passes all the conditions of the local service centers. The receipt/output reads out the details of the donation and the information regarding which service center can accept their donation along with when

(based on user input). The receipt reads out the main course, sides, and weight of donation. The following line displays the service center name, address of where it is being sent, along with the time slot for pick up (based on user input). The user is given a “Time Key” to interpret the pick up time. The time key is: 1 = (5:30-6:30pm), 2 = (6:30-7:00pm), 3 = (7:30pm - 8:30pm). The user is then thanked for their donation and the program ends.

References

Cruz, G. (n.d.). INST326 Modules Page. ELMS. Retrieved from

<https://umd.instructure.com/courses/1320811/modules>

We consulted this page for the majority of our outside research. Most of what we created in our script could be found in module lectures or extra resources provided on this page.

We used this page to help us with parsing through the dictionary, setting keys, loops, and more.

“Features of Python Dictionary.” *Python Dictionary*, W3 Schools, 8 Sept. 2018,

<https://www.w3schools.blog/python-dictionary>.

We consulted w3 schools for help regarding iterations through dictionaries in loops and under certain conditions.