INST326
Final Project Check-in 1
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Zoey:
- I worked on creating a customer that could buy things from the currency shop.
- To accomplish this, I created a Person class for the customer and created an __init__ method to give a Person object certain attributes (name, balance/how much money they have to spend, membership status, items they have purchased). I added an __init__ method in the Currency_Shop class that will read a txt file of people, and I created a dictionary with those people and their attributes. Additionally, the method reads a txt file of items and creates a list of items that customers can buy from the shop. To instantiate a Person, I added a get_person method to create a Person object.
- These methods are in the currency_converter.py file and to run these solutions, you can run "python3 currency_converter.py people.txt item_list.txt" in the terminal and the dictionary of people, the list of items, and a Person object will print to the console.

Abby:
- I mainly worked on the membership_list function in the Person class, with the help of Zoey.
- To do this, first it was necessary to have another txt file containing the information about the people (name, balance, membership status) which Zoey created. The method analyzes whether the person is a member, and if they are, it analyzes what their membership is and then returns a number which represents a discount that they receive on purchased items. After some thought, we decided to include a "none" membership option meaning the person is not a member, so I added a statement saying that if the person is not a member, a discount of 0 will be returned. I also added this information to the people.txt file, with a fake name representing the person and their attributes.
- This is in the currency_converter.py file under the Person class.

Snigdha:
- I worked on creating the currency converter method to our Conversion_Shop class.
- My aim was to be able to gather live exchange rates by linking an API that could provide this
- In order to do this, I utilized the logic provided by an online example from geeksforgeeks but molded it so that the only rate accepted was USD and the dollar amount would be the balance of a specific person. The APA citation for this code is linked below.

- The url for the API is 'http://data.fixer.io/api/latest?access_key=' and goes in as a string, with the access code being "a702f302693756a5c8c44b988f472fc6."
- This method can be found in the currency_converter.py file and then under the Conversion_Shop class.

Citations

Currency converter in python. GeeksforGeeks. (2019, December 12). Retrieved November 15, 2021, from https://www.geeksforgeeks.org/currency-converter-in-python/.