Abby Snyder

MET CS 521

Professor E. Pinsky

This program helps the user select a dog breed based on the requirements of size, coat, how much they shed, and activity level.

I created a CSV file with a list of dog breeds I obtained from   
<https://www.akc.org/dog-breeds/>. The CSV file contains attributes associated to size, coat, how much they shed, and activity level. I then imported it into the python file.

The program will ask three questions to narrow down the user’s choice of breeds, “What size dog are you looking for (XS, S, M, L, XL)”, ﻿“What kind of coat are you look for (short, medium, long, smooth, wire)”, and ﻿“What activity level your dog will have (low, moderate, high)”. If you answer the question incorrectly, it will continue to ask the same question until answered correctly. After each question, it will tell you how many breeds it has found under your requirements.

With each invalid input, the console will say, “I’m sorry, your input is invalid”, until you respond with correct input. Examples of valid input are as listed in parenthesis. The unput can be written in all caps or lower case. Anything other than what is written in parenthesis will show invalid and the question will repeat.

After the last question, “What kind of coat are you look for (short, medium, long, smooth, wire)”, the console will show the remaining breeds that match the user’s answers and also output a text file of the “x” amount of breeds it has found so the user may print it out for further use.

If I had more time to add to this program I would add the ability for the user to add their own dog breeds to increase the list (dogData.csv). The user would be able to log in and add breeds with their specific attributes that did not previously exist. I would also add a section that could show a list of shelters/rescues to where these types of dogs can be adopted. This would make the ease of use more seamless in helping them adopt the dog of their choosing.

Lastly, I created unit tests to make sure all methods work as expected. This helps me to know if it breaks, I know someone else has edited my code.

How to Run Find A Dog:

1. Run the finalProj.oy file in a Python IDE of your choosing
2. Answer all questions correctly to receive your choice or dog breeds in the output console and text file.
3. Run unitTests.py to make sure all runs smoothly