OOP - CA1

During this assignment I encountered many issues along the way one of the main ones being the search function not showing the correct sets and the intersection set not functioning.

I developed an understanding of dictionaries and how to access sets within them and fill those sets.

This took some time to understand.

Overall, everything else was fine and was similar to what I had known from C programming and earlier labs of python.

Although my intersection does not work perfectly as it only works for words that are adjacent in the search, but it is better than expected.

The results show and the search sets now work perfectly and most errors in the program are handled fine.

This project was a great learning experience and tested my problem-solving skills

I had far less problems than I had expected to be honest.

I felt it was a huge challenge to start but with a clear plan I thought out on paper and splitting each individual part up I felt everything was then much easier to handle.

Menu options 2 and 3 brought no trouble, only the dictionary and its sets but I now understand how they work to a high level and this CA has improved my knowledge in this area.

My program is fully commented and you can see how it works very easily by reading the comments.

It follows the instructions given and does exactly as asked other than the intersection set not being 100%.

The comments give a better understanding of the flow of the program.

The basic principles are a dictionary of all words in the full text file with their corresponding document numbers in a set connected to the key which is the words.

The search finds the word key in the dictionary and prints out the set relating to that and an option to quit is given or else the program will continually run.