**D)     Phase IV – Documentation**

a.      Python Code Comments

                                                    i.     Ensure that each class and function has a brief description above it as well as it’s Big O runtime and Big O space complexity within the Python code itself.

b.      Write Up

                                                    i.     Utilize each rubric item as a sub heading in your write-up.

                                                   ii.     The write-up should act as a table of contents to your solution. Do not be afraid to call out specific code files and line numbers to be specific.

                                                  iii.     Evaluation wants to see that you can connect the dots between the learning resource material and your solution.

                                                  iv.     DO NOT USE THE CORE ALGORITHM OVERVIEW DOCUMENT AS YOUR TEMPLATE AS STATED IN THE DIRECTIONS. This leads to evaluation performing an Easter egg hunt to find each rubric item.

                                                   v.     Ensure that your write up is a separate document and not in the code itself.

References:

Python: Creating a HASHMAP using Lists

<https://www.youtube.com/watch?v=9HFbhPscPU0>

zybooks: c950: Data Structures and Algorithms II

chapter 6.6 adjacency matrix

chapter 6.12 Dijkstra’s algorithm implementation