Development Documentation

This week our group set up the skeleton for our project. This involved setting up the github with our contracts, we added the makefile and all the other .h/.cpp files that were given to us, and we also added all the files needed for testing our code. Finally we completed the BFS traversal algorithm.

This week our group completed two functions. First we completed the function that reads our dataset and creates a graph. This involved using the file reader function that was given to us to go through the file and assign vertices and edges. Next we completed the PageRank algorithm. This involved making an adjacency matrix then multiplying by a random state to find the significance of each page. We also created some test cases to make sure our functions were working correctly.

This week our group finished the rest of the project. We started by implementing the Strongly Connected Component (SCC) algorithm. This algorithm required DFS so we implemented that traversal as well inside the SCC function. We also added comments in our code, completed the Final Report, and completed the project video.