Final Report

This project was designed to complete with JAVA and focus on file management using nodes. However, after this semester’s courses I find that the most important part for data system is how to store and manage data in system. So, Python with easier syntax and useful package became my best choice for this project.

In all the data type in python, I believe that dictionary fits to the requirements of this project, because it allows users just use keys instead of whole data frame to choose which data they want to use. By storing all data in files, this system can just load keys and the specific data with the key as data’s name to save I/O cost and time.

For the queries part, I tried to design a easy-to-use language for users. The system will locate the required elements by separate those words with “find”, “insert” etc. and run the methods for those orders. The system will load data from file and edit the lists in dictionaries.

Although this system is as simple as a small program, this project should meet the requirement and provide experiment for my future works.

Code:

https://github.com/Evan-Pyy/551Project.git