SYSC 3110 Design Project

File Sharing Social Network

User Manual

Version: Milestone #3

Date: November 23rd, 2015

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4. **Running the Application**

Run the *File Sharing Social Network* application by first locating the *JAR* file which has been submitted on *CU Learn*. Launch the *BlueJ* development environment, and select the aforementioned *JAR* file to be opened. Compile the *JAR* file in the *BlueJ* development environment. Select the *GUI* class, right-click, and run the main method. The first prompt will be to *Enter the no\_Consumers*, you may select an arbitrary value and proceed with the *OK* button. The subsequent prompt will be to *Enter the no\_Producers*, again an arbitrary value can be inputted followed by the *OK* button. The third prompt is to *Enter the number of search results to return*, as above input a value and proceed with the *OK* button. The final prompt is to *Select the Like/Follow Strategy for the Producer*, for which either *Act Like a Consumer*, or *Pick a Taste Other Than Your Own* may be selected from the dropdown menu followed with the *OK* button. The GUI of the *File Sharing Social Network* application will open.

1. **Understanding the GUI**

The GUI of the *File Sharing Social Network* application features a menu bar, with the option to *Reset* the application located in the *File* menu, as well as multiple *Display* option to toggle what appears within the application window. Just below the menu bar, an outline of the *# of Producers*, *Total # of Documents*, *Graph X-Axis*, *Graph Y-Axis*, and the option to *Select the Strategy for Ranking the Top Documents* can be seen. Cycles can be incremented via the *Execute Cycle* button located on the bottom of the application window. As you increment through cycles, the *Display* will update accordingly. The previously mentioned *Display* option located on the menu bar can be used to *Display Activity Log*, *Display Network Statistics* , *Display Graph* and as well.

1. **Interpreting the Results**

As you increment through cycles in the *File Sharing Social Network* application you can note the changing *Total # of Documents*. The ranges of both the *Graph X-Axis*, and the *Graph Y-Axis* will update accordingly. Within the *Network Statistics* display, you will have the ability to see the followers of each respective *Producer*, and within the *Activity Log* display, you will have the ability to follow along each *Execution Cycle*.