

CSCI 5105 Programming Assignment 2

User Guide

To compile the system, run the following commands.

```
$ cd src/  
$ chmod +x compile.sh  
$ ./compile.sh
```

To run on different machines, compile the software on different machines as above and switch to the src directory. First deploy the super node using the command

```
$ java -cp "usr/local/Thrift/*" SuperNodeServer <Server-Port>  
<Max-Ring-Nodes>
```

Here, the server port is the port we want the super node to listen on, and the second argument is the maximum number of nodes allowed in the ring. Next, start Chord nodes using the command

```
$ java -cp "usr/local/Thrift/*" NodeServer <SuperNode-Hostname>  
<SuperNode-Port> <Node-Port> <Max-Ring-Nodes>
```

Finally, launch the client using the command

```
$ java -cp "usr/local/Thrift/*" Client <SuperNode-hostname>  
<SuperNode-Port> <Max-Ring-Nodes>
```

A useful function on the client is `info`, which has each node print out its local information, like its node ID, its finger table, and its entries.