

Napster-style Peer-To-Peer File Sharing System

USER Manual

CS-550 Advanced Operating Systems

Name: Suraj Kumar Didwania (A20334147)

Name: Lawrence Amadi (A20382063)

MANUAL

1. Unzip the folder
2. Copy project workspace into one location and copy the other 3 peers into a different location
3. Navigate to the project workspace and open the command prompt from the bin directory
 - a. In the command prompt type: `start rmiregistry <server_port_#>`
Eg: `start rmiregistry 5000`
4. Create the stub by issuing command: `rmic central_server.CentralServer`
5. Run the server by issuing command: `java central_server.CentralServerDriver <server_port_#>`
Eg: `java central_server.CentralServerDriver 5000`
6. Keep the server running
7. For each peer
 - a. Navigate to the peer directory and launch the command prompt from there
 - b. In the command prompt type: `start rmiregistry <peer_port_#>`
Eg: `start rmiregistry 5001`
 - c. Create the stub by issuing command: `rmic peer.PeerClient`
 - d. Run the peer by issuing command:
`java peer.PeerClientDriver <server_port_#> <peer_port_#> <peer_name>`
Eg: `java peer.PeerClientDriver 5000 5001 Lawrence`
8. Repeat step 7(a-d) for each peer.
9. In the Peer prompt, choose 1 and filename to download the file. Eg: 1 <file_name> i.e. 1 9.txt
10. You will be displayed the list of peers which possess the file. Please select one of them as per the choice. Eg : 2
11. File will be downloaded to peer
12. You may test the automatic peer-server synchronization by manipulating files in the peer's directory and see how it reflects on the server

