OUTPUT FILE

DE-CENTRALIZED P2P SYSTEM

ASSIGNMENT 3

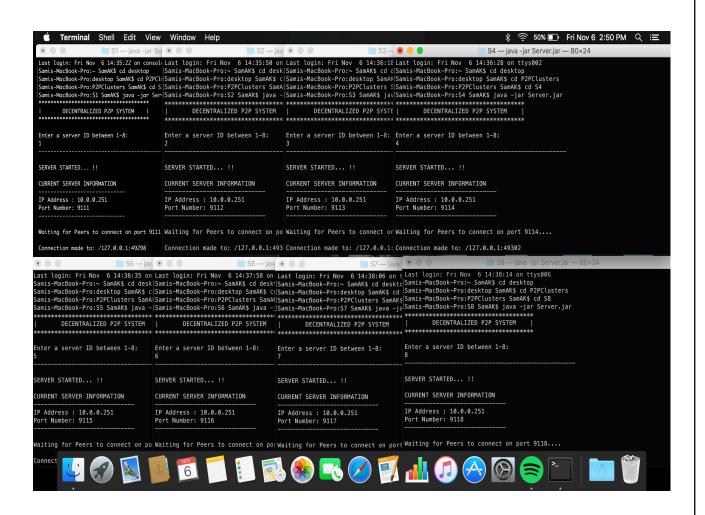
DESIGNED BY:

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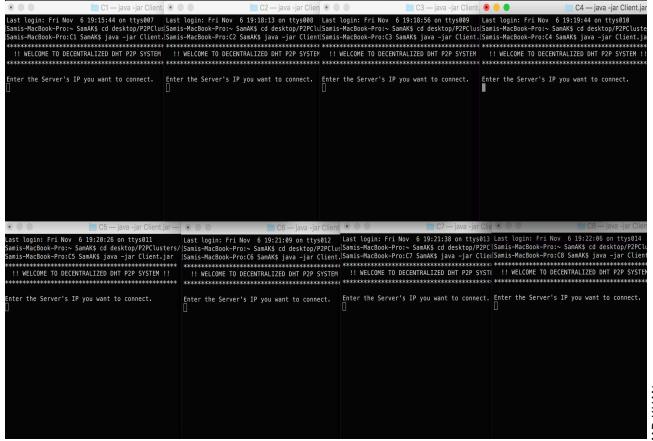
COURSE: CS 550 ADVANCE OPERATING SYSTEM

OUTPUT FILE

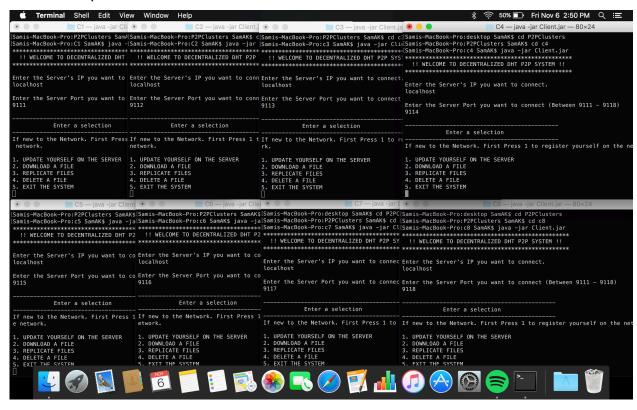
1. All the 8 servers are connected and running on different ports.



2. All the 8 Clients Started



3. Now Clients enters the Server's IP Address and their Port numbers to connect them. And then a menu is displayed to them with 5 sets of operations that they could perform.



4. User selects UPDATE with 10,000 files and the following output is displayed:

All the 10,000 files are updated and a **UPDATE SUCCESSFUL** message is displayed.

Then user selects the DOWNLOAD operation and following outputs are displayed

SEARCH SUCCESSFUL, followed by Downloading the File and displaying **DOWNLOAD SUCCESSFUL** in the end

```
Enter a selection
If new to the Network. First Press 1 to register yourself on the network.
1. UPDATE YOURSELF ON THE SERVER
2. DOWNLOAD A FILE
3. REPLICATE FILES
4. DELETE A FILE
5. EXIT THE SYSTEM
Enter the name of File you want to Download
16666.txt
Wait for few minutes while SEARCHING is under process..!!
SEARCH SUCCESSFULL...!!
FILE AVAILABLE AT THE FOLLOWING PEER:-
SNO. IP ADDRESS
                     PORT NO.
      127.0.0.1
                      49590
Elapsed time for SEARCHING: 1milli-seconds
Are you sure to Download? (Y/N)
Enter the Peer No, you want to Download the file from
Connecting to peer at IP/127.0.0.1 at Port 49591
Accepted connection: Socket[addr=/127.0.0.1,port=49591,localport=49672]
Download Successful !!
Elapsed time for DOWNLOADING: 24milli-seconds
```

6. Now Select REPLICATE FILES option and following shows up:

```
Enter a selection
If new to the Network. First Press 1 to register yourself on the network.
1. UPDATE YOURSELF ON THE SERVER
2. DOWNLOAD A FILE
3. REPLICATE FILES
4. DELETE A FILE
5. EXIT THE SYSTEM
Enter the filename with its extension, that you want to replicate
16666.txt
How many Replication instances do you want?
Wait while REPLICATING is under process..!!
RECIEVE: 127.0.0.1,49828;127.0.0.1,49837;
127.0.0.1,49828
Sending 16666.txt(1024 bytes)
127.0.0.1,49837
Sending 16666.txt(1024 bytes)
REPLICATION SUCCESSFULL..!!
Elapsed time for DOWNLOADING: 16milli-seconds
```

REPLICATION SUCCESSFUL

7. Now select DELETE A FILE option and following is displayed:

```
Enter a selection

If new to the Network. First Press 1 to register yourself on the network.

1. UPDATE YOURSELF ON THE SERVER
2. DOWNLOAD A FILE
3. REPLICATE FILES
4. DELETE A FILE
5. EXIT THE SYSTEM
4
Enter the name of File you want to Delete
15555.txt

Wait while DELETE is under process..!!

FILENAME DELETED FROM THE NETWORK SUCCESSFULLY !!

< You can search again the same file name to Test for the deleted file
>
```

FILENAME DELETED SUCCESSFULLY