

## **Programming Assignment #2**

### **A Simple Napster Style Peer to Peer File Sharing System**

#### **Manual**

**Jinyang Li**  
**A20317851**

#### **How to compile:**

This Program is based on JAVA, so the Java JRE is required to run.

Compile is just one command:

```
$ ant
```

The classes would generate by ant in build folder.

#### **How to run:**

##### General:

All downloaded Files would store to [currently folder/ DownLoadFromPeer]

Say you run this program at /user/desktop, then the download folder would be /user/desktop/DownLoadFromPeer.

#### **For Server,**

You need first give right to run.sh

```
chmod +x run.sh
```

Then execute

```
./run.sh
```

The server group would initialized with 8 servers. Leave it alone.

**If you wanna kill servers (because they are in background) run following in same terminal:**

```
$ killall java
```

**For Client,**

you do not need to worry about port overlapping. The program would automatically allocate an available port.

Run client can be done via:

```
$ant runClient
```

Follow the menu, enter the option you want, press enter, the program would guide you how to perform tasks.

If you want to register a file enter its relative path OR absolute path.

In my zip file, I include a folder named f, you can use it for test.

For example, I wanna register 0.txt in folder f.

```
>>>>>> menu
```

```
>>>>> 1
```

```
>>>>>> ask you to enter name
```

```
>>>> f/0.txt
```

thus the file could be registered successfully;