4. Manual

1. Running Environment

Platform: Java SE-1.6

OS: Window 7, Mac OS X 10.8.5 or Ubuntu 12.04 LTS

2. How to run

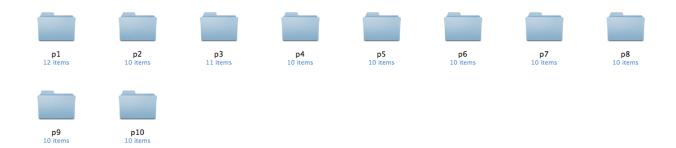
Executable jar files: P2PSystem.jar.

We use a shell script j.sh, thus, when we launch a terminal, we just input ./j.sh.

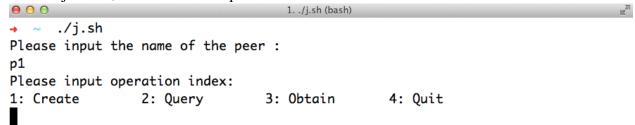


3. Input client name:

All the client names are as follows:



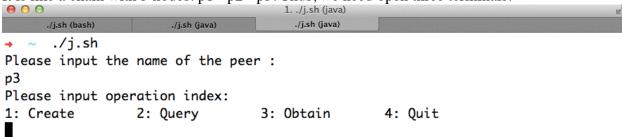
When a jar runs, we should first input the client name.



As for convenience, we demo our operation with a simple configuration file.



It is like a chain with 3 nodes. p1 - p2 - p3. Thus, we need open three terminals.



4. Connections initialization.

After all clients input their names, we should input command 1 in all terminals to create the network.

5. Query

After the network established, a client can choose query a file or obtain a file. Logically, a client queries a file first.

User is required to input the file name and ttl (we design this because this is a static network).

```
Please input the file name you are looking for: tianyang
```

Please input the TTL:

2

Please input operation index:

1: Create 2: Query 3: Obtain 4: Quit

p2 has the file. p3 has the file.

Clients who have this file are listed.

Other clients prints whether they have this file.

```
→ ~ ./j.sh

Please input the name of the peer:

p2

Please input operation index:

1: Create 2: Query 3: Obtain 4: Quit

1

Please input operation index:

1: Create 2: Query 3: Obtain 4: Quit

I have tianyang
```

6. Obtain.

The user input the filename and client name, then download.

```
Please input the file name you want to download : tianyang
```

Please select the peer name you want to download from : p2

```
cooket index is A
```

P2 displays which file is going to be downloaded.

```
Please input the name of the peer:

p2

Please input operation index:

1: Create 2: Query 3: Obtain 4: Quit

1

Please input operation index:

1: Create 2: Query 3: Obtain 4: Quit

I have tianyang

Download file is tianyang

Plasse input the file name you want to download:

tianyang

Please select the peer name you want to download from:

p2

Download file tianyang successfully
```