

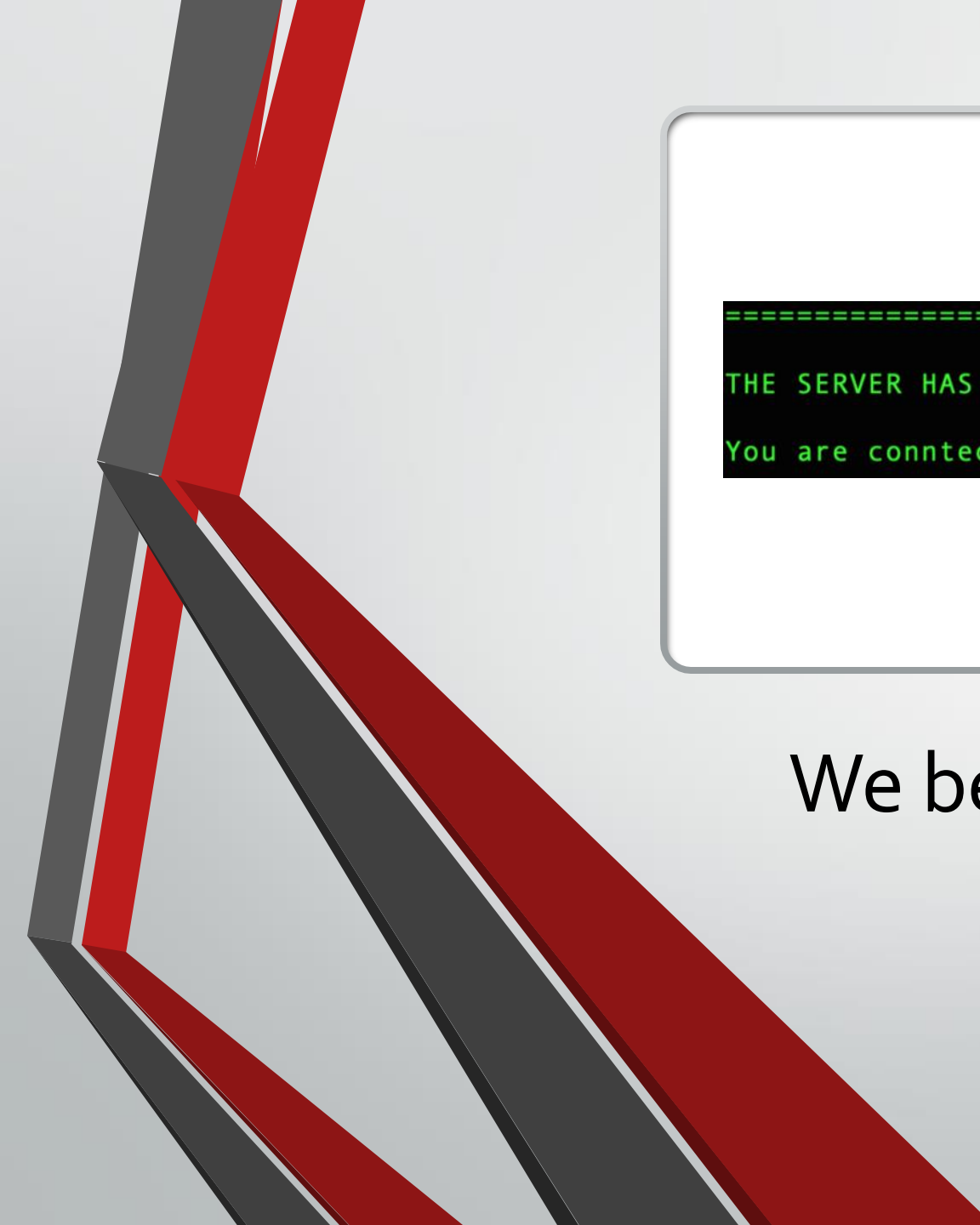
Peer to Peer File Sharing System

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CSC 414

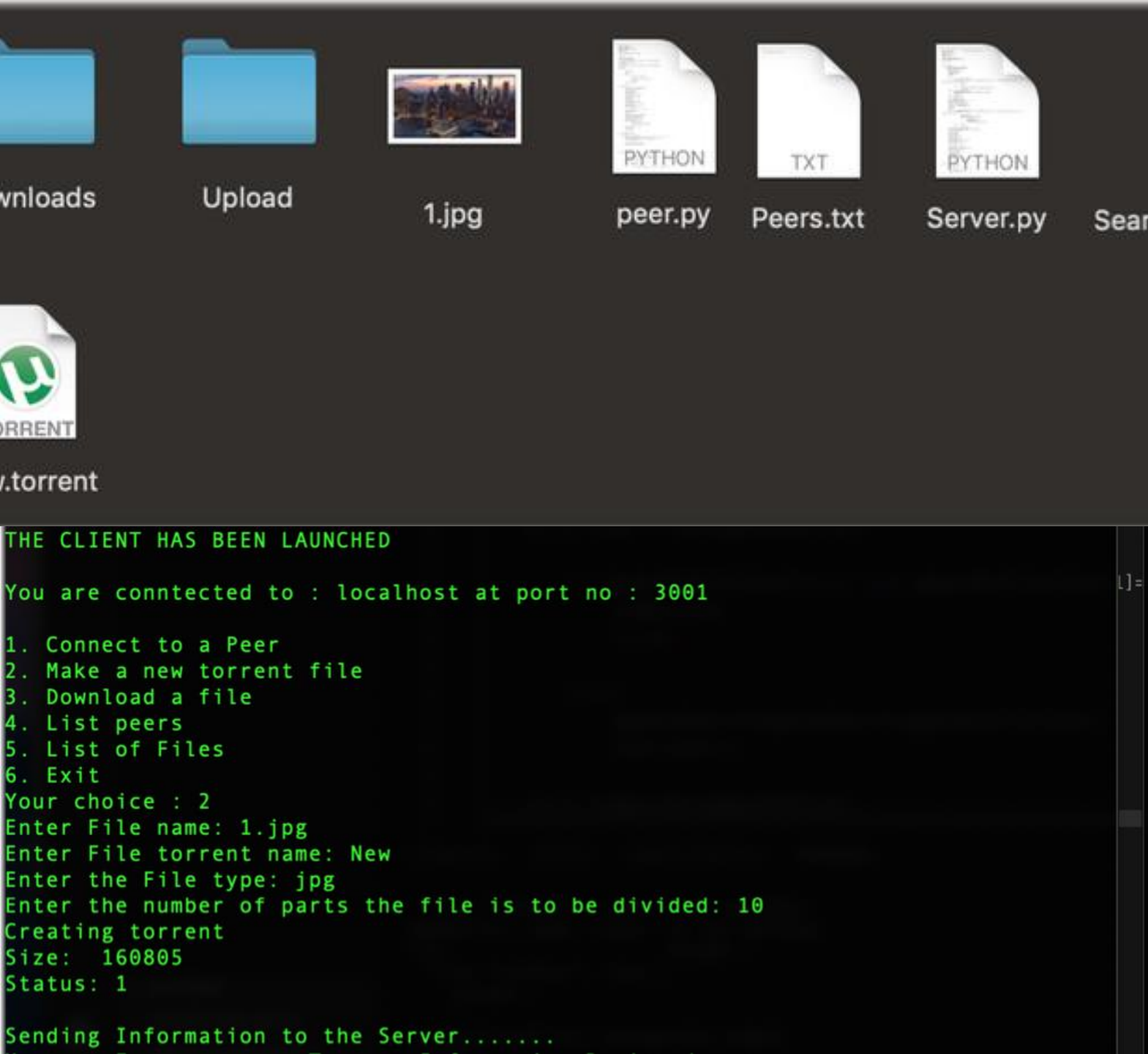
Purpose

- I wanted to implement my own working program that would enable users to download files through a peer-to-peer approach.
- Software which already provide services like these BitTorrent.

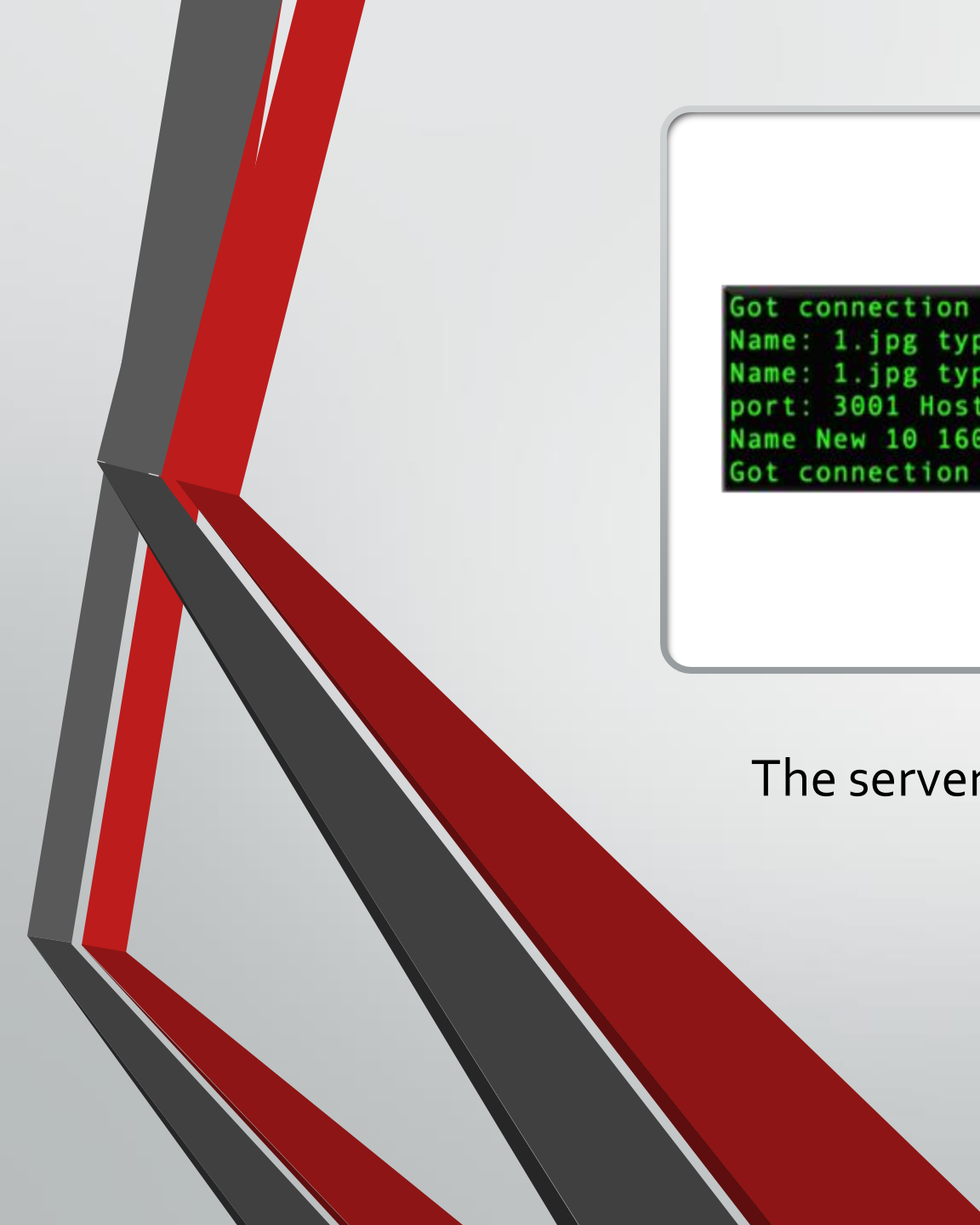


```
===== Welcome =====  
THE SERVER HAS BEEN LAUNCHED  
You are conntected to : 127.0.0.1 at port no : 1231
```

We begin by launching the tracking
server.



- A peer client is launched. It further generates torrent for the file "1.jpg" and updates the information to the server.



```
Got connection from ('127.0.0.1', 64124)
Name: 1.jpg type: jpg tor: Newport: 3001 Host: localhost
Name: 1.jpg type: jpg tor: New
port: 3001 Host: localhost
Name New 10 160805
Got connection from ('127.0.0.1', 64131)
```

The server has received the information about the torrent and has added it to the list of “active files”

- [illegible]

THE CLIENT HAS BEEN LAUNCHED

1. Connect to a Peer
2. Make a new torrent file
3. Download a file
4. List peers
5. List of Files
6. Exit

```
Enter name of file 1.jpg
```

Requested File : 1.jpg

[illegible]

- Re-do state demonstration called from original program download closed and the active

[illegible]

```
1.jpg  
160805  
name: New.torrent  
  Lines....  
key: 0  
  Lines....  
size:160805  
  Lines....  
n_parts: 10  Lines....
```

```
in server 1.jpg  
Sent the file  
0
```

This image shows the instance of the window from client with port no : 5999 when port 2999 had requested to download the file 1.jpg. This screenshot shows that port 5999 who had earlier downloaded the 1.jpg from port 3001, is now the one sending the file to port 2999.