# CPS706\_Project

**Group 46**

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Implementing a Content Distribution Server

Description of Source Code:

Client.java

- Communicates with the Local DNS

- Obtains port number and the web address to be visited

- Takes in the input and calls the server and collects the DNS server for location and then the webserver for the download

LocalDNS.java

- Client requests something

- Communicates with the HisCinemaDNS to obtain the information to find out where to go

- Sends a packet to HerCDNDNS and then responds to the client

HIS.java

- Runs the server

- Has thread to handle multiple requests

- Reads received messages

- Can send files

- Closes connection

HisCinemaDNS.java

- Receives packet and reads it

- Returns response to sender

HER.java

- Runs the server

- Contains thread

- Reads received messages

- Can send files

- Closes connection

HerCDNDNS.java

- Receives packet and reads it

- Returns response to sender

Compiling Instructions:

On 4 separate computers, run the commands (Each number being a different computer):

1. javac Client.java

java Client

2. javac LocalDNS.java

java LocalDNS

3. javac HIS.java HisCinemaDNS.java

java HIS HisCinemaDNS

4. javac HER.Java HerCDNDNS.java

java Her HerCDNDNS

On the computer running the Client

Enter:

- The port:40450

- The IP address

- Number of the file you want