Step 1 - Run website.py (hiscinema Server), local_DNS.py & database.py (herCDN Server)

```
● ○ ○                    CPS706-Assignment — Python website.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python website.py
 * Running on http://192.168.1.152:40720/ (Press CTRL+C to quit)
```

```
● ○ ○                    CPS706-Assignment — Python local_DNS.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python local_DNS.py
```

```
● ○ ○                    CPS706-Assignment — Python database.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python database.py
```

SERVERS

Step 2 - Client Opens the Web Page, webpage is sent using HTTP 1.1

●ıl Bell 🛜   6:00 PM   ✔ ✳ 26% ▮

192.168.1.152

VIDEO LINKS
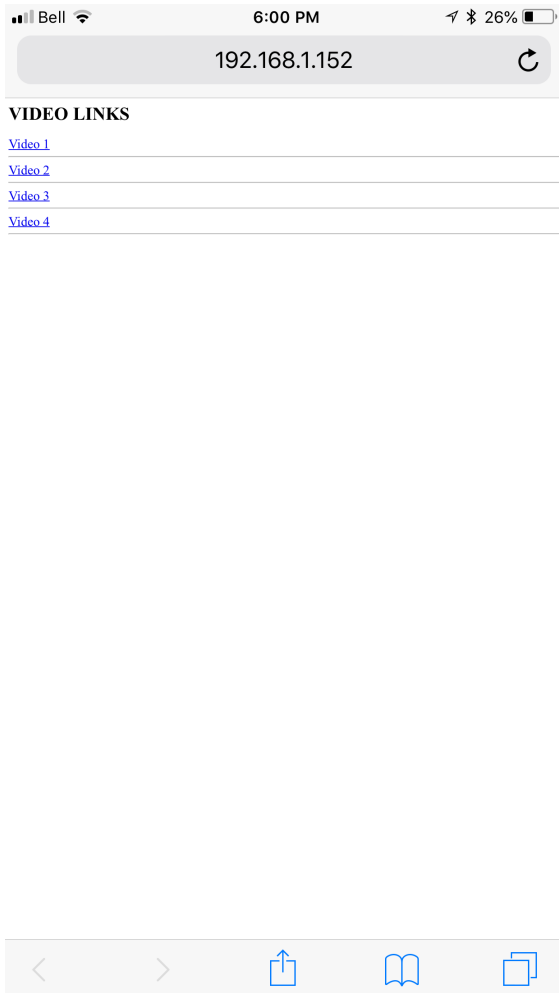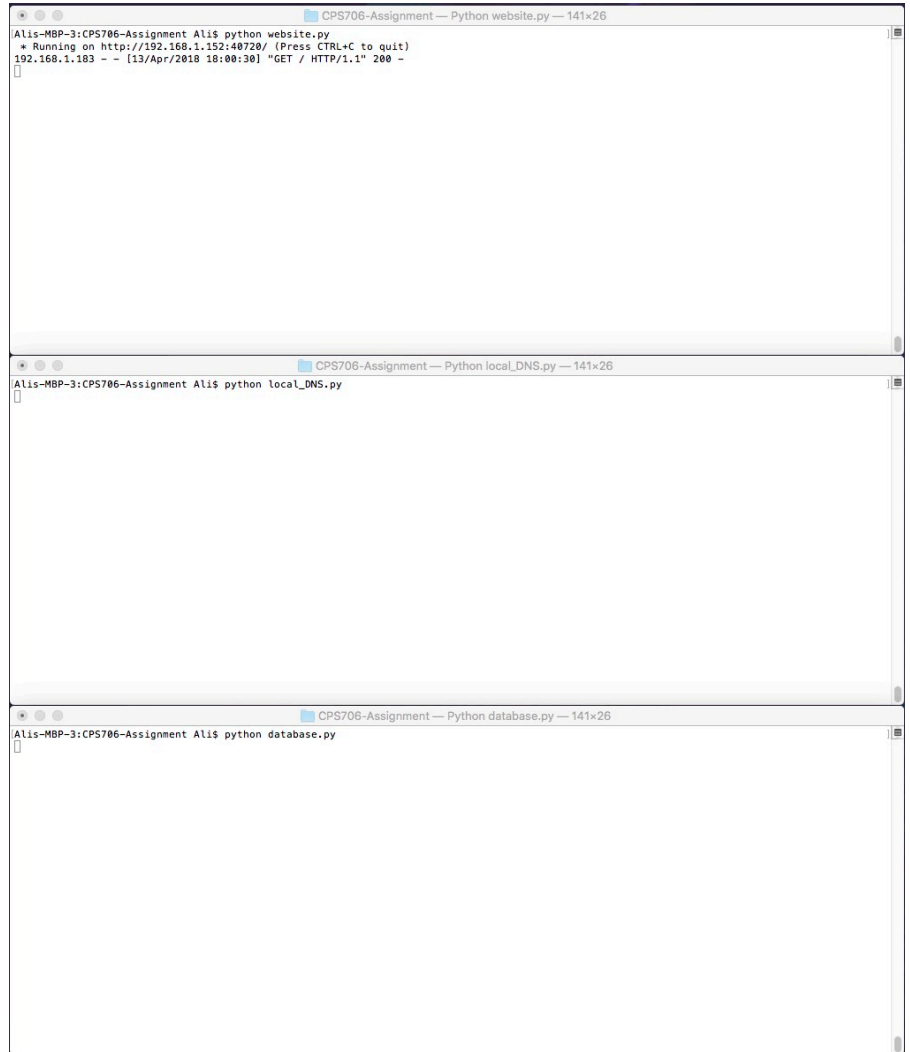
Video 1

Video 2

Video 3

Video 4

```
CPS706-Assignment — Python website.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python website.py
 * Running on http://192.168.1.152:40720/ (Press CTRL+C to quit)
192.168.1.183 - - [13/Apr/2018 18:00:30] "GET / HTTP/1.1" 200 -
```

```
CPS706-Assignment — Python local_DNS.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python local_DNS.py
```

```
CPS706-Assignment — Python database.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python database.py
```

CLIENT

SERVERS

Step 3 - Client Clicks a link, local DNS receives the resolves the request and the herCDN server transfers the video to the client.

```
● ○ ○                          CPS706-Assignment — Python website.py — 141×26
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
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Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Receiving video1 contents now..
Download Complete!
192.168.1.183 - - [13/Apr/2018 18:04:06] "GET /F1/ HTTP/1.1" 200 -
192.168.1.183 - - [13/Apr/2018 18:04:06] "GET /static/downloadedvideo1.mp4 HTTP/1.1" 206 -
192.168.1.183 - - [13/Apr/2018 18:04:06] "GET /static/downloadedvideo1.mp4 HTTP/1.1" 200 -
```
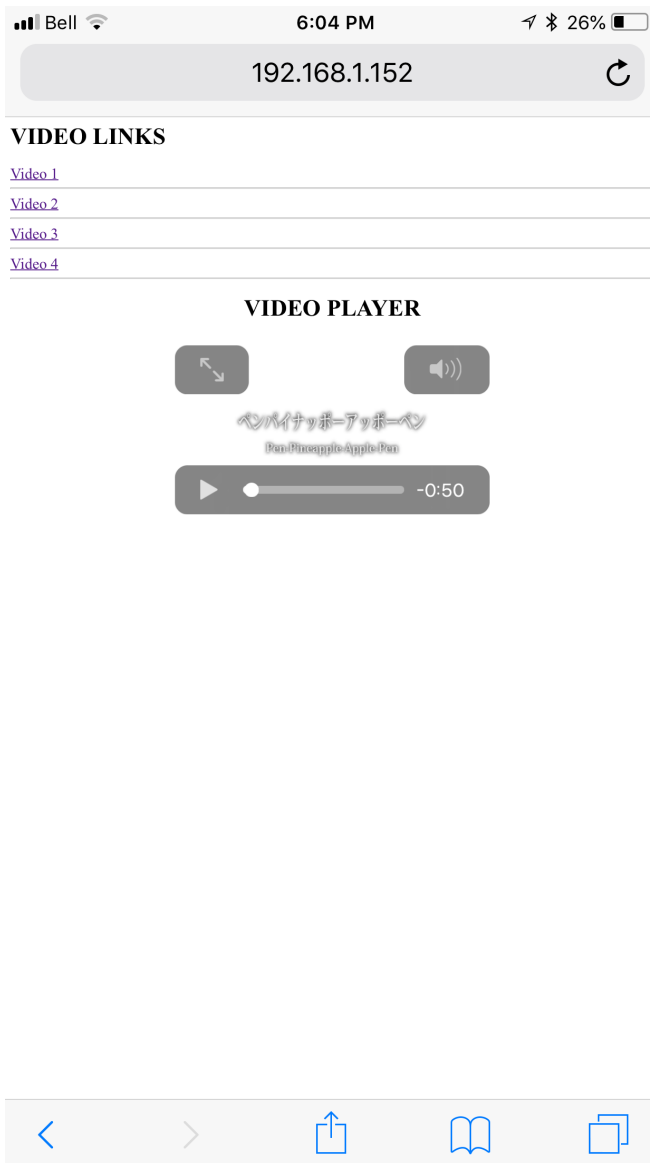
```
● ○ ○                          CPS706-Assignment — Python local_DNS.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python local_DNS.py
Local DNS Received Message: hiscinema.com/File1

Recieved data from this address:  ('127.0.0.1', 57797)
Resolving the DNS query now..
Query Resolved - Sending back to the client
⬚
```

```
● ○ ○                          CPS706-Assignment — Python database.py — 141×26
Alis-MBP-3:CPS706-Assignment Ali$ python database.py

Recieved data:  video1
video1 Transfer Complete!
⬚
```

SERVERS

VIDEO LINKS

Video 1

Video 2

Video 3

Video 4

VIDEO PLAYER

ペンパイナッポーアッポーペン

Pen-Pineapple-Apple-Pen

-0:50

CLIENT