

Dan Bonnett
CMPSCI 381 Lab 12
Final Project
Due Date: 5/03/2016

Honor Code: *This work is my own unless otherwise cited.*

Server output when user enters GET <http://cs.allegheny.edu/sites/rroos/index.html> HTTP/1.1
This request is not a forbidden request and no cache file exists for it yet.

```
bonnettd@aldenv137:~/cs381s2016/lab12$ python Lab12.py
Server connected to ('127.0.0.1', 53893)
Server received GET http://cs.allegheny.edu/sites/rroos/index.html HTTP/1.1

Requested host: cs.allegheny.edu
Requested file: /sites/rroos/index.html
creating cache file cs.allegheny.edu-slash-sites-slash-rroos-slash-index.html
requesting file /sites/rroos/index.html from cs.allegheny.edu
sending /sites/rroos/index.html to ('127.0.0.1', 53893)
```

Client output for the same test:

```
bonnettd@aldenv137:~/cs381s2016/lab12$ telnet localhost 12345
Trying ::1...
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
GET http://cs.allegheny.edu/sites/rroos/index.html HTTP/1.1
HTTP/1.1 200 OK
Date: Fri, 29 Apr 2016 02:13:46 GMT
Server: Apache/2.2.22 (Ubuntu)
Last-Modified: Fri, 22 Jan 2016 01:33:28 GMT
ETag: "1a2c2d-10fe-529e234c2a5bb"
Accept-Ranges: bytes
Content-Length: 4350
Vary: Accept-Encoding
Connection: close
Content-Type: text/html

<!DOCTYPE html>
<html class="full" lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!--<meta name="description" content="">-->
  <!--<meta name="author" content="">-->

  <title>Bob Roos</title>
  .... many lines omitted
</html>
Connection closed by foreign host.
```

Server output for the second time the user enters

GET <http://cs.allegheny.edu/sites/rroos/index.html> HTTP/1.1

The cache file for this site already exists this time.

```
bonnettd@aldenv137:~/cs381s2016/lab12$ python Lab12.py
Server connected to ('127.0.0.1', 53920)
Server received GET http://cs.allegheny.edu/sites/rroos/index.html HTTP/1.1

Requested host: cs.allegheny.edu
Requested file: /sites/rroos/index.html
Sending cache file cs.allegheny.edu-slash-sites-slash-rroos-slash-index.html to
('127.0.0.1', 53920)
```

Client output for the same test:

```
bonnettd@aldenv137:~/cs381s2016/lab12$ telnet localhost 12345
```

Trying ::1...

Trying 127.0.0.1...

Connected to localhost.

Escape character is '^['.

GET http://cs.allegheny.edu/sites/rroos/index.html HTTP/1.1

HTTP/1.1 200 OK

Date: Fri, 29 Apr 2016 02:13:46 GMT

Server: Apache/2.2.22 (Ubuntu)

Last-Modified: Fri, 22 Jan 2016 01:33:28 GMT

ETag: "1a2c2d-10fe-529e234c2a5bb"

Accept-Ranges: bytes

Content-Length: 4350

Vary: Accept-Encoding

Connection: close

Content-Type: text/html

<!DOCTYPE html>

<html class="full" lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!--<meta name="description" content="">-->

<!--<meta name="author" content="">-->

<title>Bob Roos</title>

.... many lines omitted

</html>

Connection closed by foreign host.

Server output when user enters

GET <http://cs.allegheny.edu/sites/jwenskovitch> HTTP/1.1

This is a forbidden request.

```
bonnettd@aldenv140:~/cs381s2016/lab12$ python Lab12.py
Server connected to ('127.0.0.1', 51178)
Server received GET http://cs.allegheny.edu/sites/jwenskovitch HTTP/1.1

Requested host: cs.allegheny.edu
Requested file: /sites/jwenskovitch
Received request for forbidden file
Sending cached file Bad.html to ('127.0.0.1', 51178)
```

Client output for the same run:

GET <http://cs.allegheny.edu/sites/jwenskovitch> HTTP/1.1

HTTP/1.1 403 Forbidden

Date: Thu, 28 Apr 2016 20:12:05 GMT

Server: Apache

Location:

Vary: Accept-Encoding

Expires: Thu, 28 Apr 2016 20:17:05 GMT

Keep-Alive: timeout=10, max=41

Connection: Close

Content-Type: text/html; charset=iso-8859-1

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">

<html><head>

<title>403 Bad Request</title>

</head><body>

<h1>403 Forbidden</h1>

<p>You are not allowed to access this site "<http://aldenv29.allegheny.edu/sites/jwenskovitch/>".</p>

<hr>

<address>Apache/2.2.22 (Ubuntu) Server at aldenv29.allegheny.edu Port 80</address>

</body></html>

Connection closed by foreign host.

Server Output when user enters GET <http://apple.com/iphone> HTTP/1.1
This is a forbidden request.

```
bonnettd@aldenv137:~/cs381s2016/lab12$ python Lab12.py
Server connected to ('127.0.0.1', 54184)
Server received GET http://apple.com/iphone HTTP/1.1

Requested host: apple.com
Requested file: /iphone
Received request for forbidden file
Sending cached file Bad.html to ('127.0.0.1', 54184)
```

Client output for the same run:

```
GET http://apple.com/iphone HTTP/1.1
HTTP/1.1 403 Forbidden
Date: Thu, 28 Apr 2016 20:12:05 GMT
Server: Apache
Location:
Vary: Accept-Encoding
Expires: Thu, 28 Apr 2016 20:17:05 GMT
Keep-Alive: timeout=10, max=41
Connection: Close
Content-Type: text/html; charset=iso-8859-1
```

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>403 Bad Request</title>
</head><body>
<h1>403 Forbidden</h1>
<p>You are not allowed to access this site "http://aldenv29.allegheeny.edu/sites/jwenskovitch/".</p>
<hr>
<address>Apache/2.2.22 (Ubuntu) Server at aldenv29.allegheeny.edu Port 80</address>
</body></html>
Connection closed by foreign host.
```

