

Hand in a stapled, printed copy with your answers.

**Homework: /SI110/The Cyber Battlefield/Web-HTML Intro**

1. The web is a "client/server" system. Although we often speak of "web servers" we seldom use the term "web client". When we do use the term "web client", to what are we usually referring?

2. For the following URLs, underline the *protocol* part, draw a rectangular box around the *server* part, and circle the *filesystem path* part.

- a. `http://www.usna.edu/Users/cs/sschall/SI110_Summer.html`
- b. `file:///C:/Users/sschall/Desktop/Personal/My%20Webpage/lec16.html`
- c. `https://www.gmail.com/`

3. What is the difference between the Internet and the World Wide Web?

4. When you visit this URL: **file:///C:/vacation.jpg** are you using:

- a. "the world wide web"? Explain.

- b. the Internet? Explain.

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5. When you attempt to visit our course calendar website, the \_\_\_\_\_

contacts the \_\_\_\_\_, asking for the file SI110\_Summer.html. The

\_\_\_\_\_ retrieves the file SI110\_Summer.html and sends it to the

\_\_\_\_\_. The \_\_\_\_\_ receives the file and renders it on your screen.

6. When a server sends a file via HTTP, what purpose does the header information serve? What comes after the header information?

7. Draw what would appear in a browser if the following html file was loaded:

```
<html>
  <head>
    Jack and Jill
  </head>
  <body>
    Went up the hill
    <p>To <b>fetch</b> a
    pail of water</p>
  </body>
</html>
```



7. Suppose the file `jsmith.html` is  $\Rightarrow$

Suppose you enter in your browser the URL



`http://lotsacats.com/jsmith.html`

The webserver access log contains the following entries as a result:

```
<html>
  <head>
</head>
  <body>
    This is my cat.
    His name is <b>George</b>.
    
  </body>
</html>
```

```
10.22.238.75 - - [08/Sep/2011:08:31:50 -0400] "GET /jsmith.html HTTP/1.1" 200 4873
10.22.238.75 - - [08/Sep/2011:08:31:51 -0400] "GET /george.jpg HTTP/1.1" 200 4873
```

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- a. Why are there two requests to the webserver?

- b. Given what your actions were, why could it never happen that the order of these two lines is reversed?