



Computer Science E-75

Building Dynamic Websites

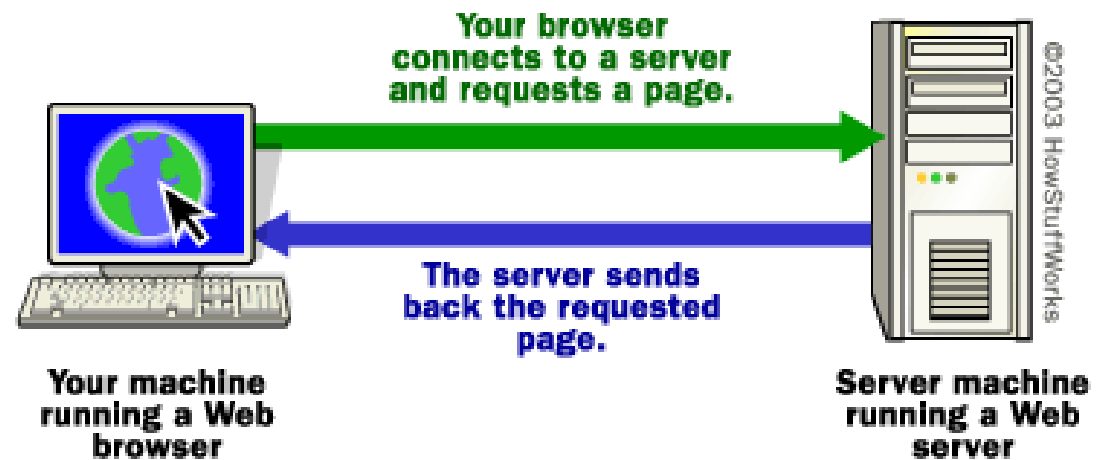
Harvard Extension School

<http://cs75.net/>

Lecture 1: PHP

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HTTP



Apache

<http://httpd.apache.org/docs/2.2/>



Apache

```
<VirtualHost 64.131.79.130:80>
```

```
    ServerName www.malanrouge.com
    ServerAlias www.malanrouge.com malanrouge.com
    ServerAdmin webmaster@malanrouge.com
    DocumentRoot /home/malan/domains/malanrouge.com/public_html

    SuexecUserGroup malan malan
    CustomLog /var/log/httpd/domains/malanrouge.com.bytes bytes
    CustomLog /var/log/httpd/domains/malanrouge.com.log combined
    ErrorLog /var/log/httpd/domains/malanrouge.com.error.log

    <Directory /home/malan/domains/malanrouge.com/public_html>
        Options All
        suPHP_Engine ON
        suPHP_UserGroup malan malan
    </Directory>
```

```
</VirtualHost>
```

mod_rewrite

```
RewriteEngine On
```

```
RewriteCond %{HTTP_HOST} !^www.malanrouge.com$ [NC]
```

```
RewriteRule (.*?) http://www.malanrouge.com/$1 [R=301,L]
```

http://httpd.apache.org/docs/2.2/mod/mod_rewrite.html

BIND

Name	Type	Value	Select
mail	A	64.131.79.130	<input type="checkbox"/>
malanrouge.com.	A	64.131.79.130	<input type="checkbox"/>
www	A	64.131.79.130	<input type="checkbox"/>
malanrouge.com.	NS	ns1.cs75.net.	<input type="checkbox"/>
malanrouge.com.	NS	ns2.cs75.net.	<input type="checkbox"/>
mail	MX	10	<input type="checkbox"/>
supernews	CNAME	cnn.com.	<input type="checkbox"/>
malanrouge.com.	TXT	"v=spf1 a mx ip4:64.131.79.130 ?all"	<input type="checkbox"/>

BIND

```
$TTL 14400
@          IN      SOA      ns1.cs75.net.      root.malanrouge.com. (
                                2008020202
                                14400
                                3600
                                1209600
                                86400 )

malanrouge.com. 14400  IN      NS       ns1.cs75.net.
malanrouge.com. 14400  IN      NS       ns2.cs75.net.

mail           14400  IN      A        64.131.79.130
malanrouge.com. 14400  IN      A        64.131.79.130
www            14400  IN      A        64.131.79.130

malanrouge.com. 14400  IN      MX       10 mail

supernews      14400  IN      CNAME    cnn.com.

malanrouge.com. 14400  IN      TXT      "v=spf1 a mx ip4:64.131.79.130 ?all"
```

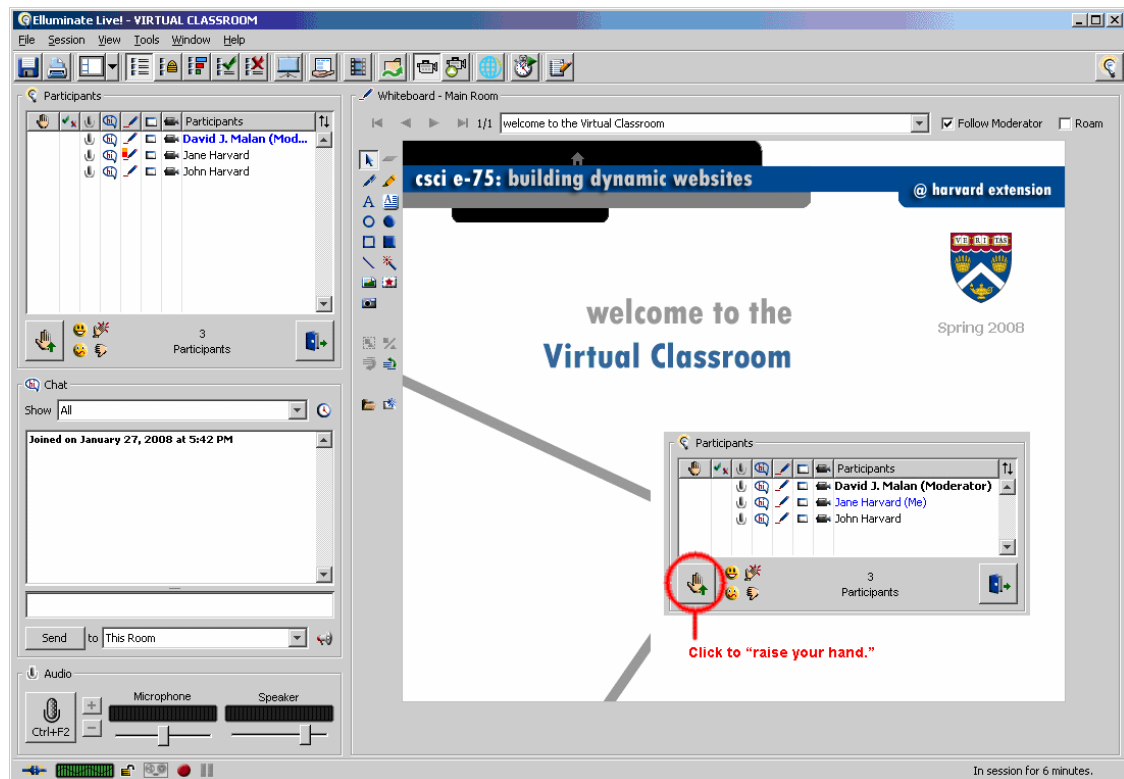
Sections (Preliminary)

- **Mondays, 5:30p – 7:30p**
location TBA
- **Tuesdays, 7:35p – 9:35p**
location TBA
- **Thursdays, 5:30p – 7:30p**
1 Story Street 302 with live video feed
- **Thursdays, 9:00p – 11:00p**
Virtual Classroom
- **Saturdays, 1:00p – 3:00p**
Science Center 101b

Office Hours



Virtual Office Hours



XAMPP

- Linux, Mac OS, Solaris, Windows
- Apache
- MySQL
- PHP
- Perl



Forms

- Text Fields
`<input name="email" type="text" />`
- Password Fields
`<input name="password" type="password" />`
- Hidden Fields
`<input name="id" value="123" />`
- Checkboxes
`<input checked="checked" name="remember" type="checkbox" />`
- Radio Buttons
`<input name="gender" type="radio" value="F" />`
`<input name="gender" type="radio" value="M" />`
- Drop-Down Menus
`<select name="state">`
 `<option value=""></option>`
 `<option value="MA"></option>`
 `<option value="NY"></option>`
`</select>`
- Text Areas
`<textarea name="comments"></textarea>`

Forms



PHP

<http://us3.php.net/manual/en/>



suPHP

<http://www.suphp.org/>





<?php

<http://us2.php.net/manual/en/langref.php>

Variables

“A valid variable name starts with a letter or underscore, followed by any number of letters, numbers, or underscores.”

Types

- boolean
- integer
- float
- string
- array
- object
- resource
- NULL
- mixed
- number
- callback



References

<http://us2.php.net/manual/en/language.references.php>

Superglobals

- `$_COOKIE`
- `$_ENV`
- `$_FILES`
- `$_GET`
- `$_POST`
- `$_REQUEST`
- `$_SERVER`
- `$_SESSION`

Arrays

<http://us2.php.net/array>

Loops

- `for`
- `while`
- `do ... while`
- `foreach`



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