

# Computer Science E-75

## Building Dynamic, Scalable Websites

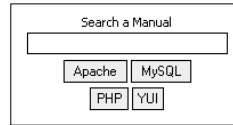
Harvard Extension School  
<http://www.cs75.net/>

### Lecture 2: PHP, Continued

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0

## Forms



1

## Regular Expressions

<http://us3.php.net/pcre>

Regular Expression	Will match...
foo	The string "foo"
^foo	"foo" at the start of a string
foo\$	"foo" at the end of a string
foo\$	"foo" when it is alone on a string
[foo]	a, b, or c
[a-z]	Any lowercase letter
[^A-Z]	Any character that is not an uppercase letter
[g?]	Matches either "g" or "g?"
[a-z]*	One or more lowercase letters
[0-9A-Z-]	Any number, dot, or minus sign
^[a-zA-Z0-9_]{3,}\$	Any word of at least one letter, number or _
([a-z]{3}){1,2}	any, m?, y?, or x?
^[A-Za-z0-9-]	Any symbol (not a number or a letter)
([A-Z]{3}){0-9}(4)	Matches three letters or four numbers

Table adapted from [http://www.webcheatheat.com/php/regular\\_expressions.php](http://www.webcheatheat.com/php/regular_expressions.php).

2

## A Dynamic Website



3

## OOP

<http://us2.php.net/zend-engine-2.php>

4

## Cookies



Image from sgc.se.

5

## Sessions



6

## Authentication



7

## .htaccess

RewriteEngine On

```
RewriteCond %{HTTP_HOST} !^www\.cs75\.net [NC]
RewriteRule (.*?) http://www.cs75.net/$1 [R=301,L]
```

```
RewriteCond %{REQUEST_URI} ^/login/
RewriteCond %{HTTP} != on
RewriteRule (.*?) https://www.cs75.net/$1 [R=301,L]
```

8

# SSL



Image from godaddy.com

9

# SSL

```
SSLCertificateFile /path/to/certificate
SSLCertificateKeyFile /path/to/key
SSLCertificateChainFile /path/to/chain
```

<https://certs.godaddy.com/CSRgeneration.go>

10

# PizzaML



Image from junkfoodnews.net

11

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12