

This is CS 50.



Harvard College's Introduction to Computer Science I

COMPUTER SCIENCE 50

WEEK 8

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HTTP



Image from <http://computer.howstuffworks.com/web-server1.htm>.

Domain Names



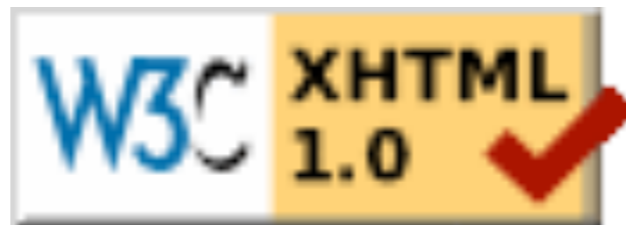
XHTML

```
<!DOCTYPE html
  PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```

Validation

<http://validator.w3.org/>



CSS

```
<!DOCTYPE html
  PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <style type="text/css">
      <!--

      -->
    </style>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```

CSS

```
element
{
  property: value;
  property: value;
}
```

```
#id
{
  property: value;
  property: value;
}
```

```
.class
{
  property: value;
  property: value;
}
```

CSS

```
<!DOCTYPE html
  PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <link href="styles.css" rel="stylesheet" type="text/css" />
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```


Forms



Forms

Text Fields

```
<input name="email" type="text" />
```

Text Areas

```
<textarea name="comments" rows="24" cols="80"></textarea>
```

Password Fields

```
<input name="password" type="password" />
```

Checkboxes

```
<input name="save" type="checkbox" />
```

Radio Buttons

```
<input name="gender" type="radio" value="F" />
```

```
<input name="gender" type="radio" value="M" />
```

Drop-Down Menus

```
<select name="dorm">
```

```
  <option value=""></option>
```

```
  <option value="Matthews"></option>
```

```
  <option value="Weld"></option>
```

```
</select>
```

Frosh IMs



SQL

- ▶ **SELECT**
- ▶ **INSERT**
- ▶ **UPDATE**
- ▶ **DELETE**
- ▶ ...

Transactions (InnoDB)

C\$50 Finance

1. Log In
2. Register
3. Get Quotes
4. Sell Stocks
5. Buy Stocks
6. History
7. ...