# Website Design for Artists (Intro)

w/ Daniel Boulet

#1 Introduction

#### http://mpa.danboulet.com

#### Hi, I'm Dan

- I've been making websites for over 8 years
- Currently working as a full-time freelance web developer
- Email me at <u>dan@danboulet.com</u>

### Who are you?

- What are you studying?
- Why did you decide to take this course?
- What are you hoping to get out of this course?

### A brief history of the web

## 1980–1991: Development of World Wide Web

- Tim Berners-Lee invents web to allow physicists to share data
- Develops HTTP, HTML and Web browser

## 1992–1995: Growth of the WWW

- Creation of public websites
- First graphical browser: Mosaic
- Foundation of W3C



Now Open: Yahoo! Surf Shop!



Web Launch

Search

Options

- Arts
   Humanities, Photography, Architecture, ...
- Business and Economy [Xtra!]
   Directory, Investments, Classifieds, Taxes, ...
- Computers and Internet [Xtra!]
   Internet, WWW, Software, Multimedia, ...
- Education
   Universities, K-12, Cowses, ...
- Entertainment [Xtra!]
   TV, Movies, Music, Magazines, ...
- Government
   Politics [Xtra!], Agencies, Law, Military, ...
- Health
   Medicine, Drugs, Diseases, Fitness, ...

- News [Xtra!]
   World [Xtra!], Daily, Current Events, ...
- Recreation
   Sports [Xtra!], Games, Travel, Autos, ...
- Reference
   Libraries, Dictionaries, Phone Numbers, ...
- Regional
   Countries, Regions, U.S. States, ...
- Science
   CS, Biology, Astronomy, Engineering, ...
- Social Science
   Anthropology, Sociology, Economics, ...
- Society and Culture
   People, Environment, Religion, ...

Text-Only Yahoo ~ Contributors

1995

#### Browser wars

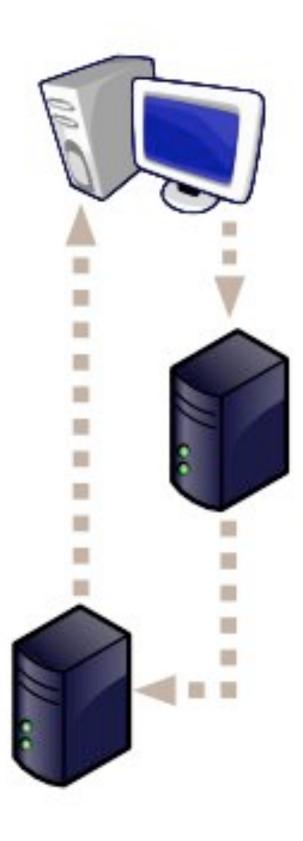
- 1995: Netscape Navigator vs. IE 1.0
- Internet Explorer 2.0 released as free
- Introduction of JavaScript (NS) and CSS (IE)
- IE4 integrated into Windows
- Tons of new proprietary features, bugs, security holes
- Dot-com boom

## 2002-present: Web standards

- Netscape code is open-sourced, entrusted to Mozilla
- Mozilla releases Phoenix:Firebird:Firefox
- Mozilla and Opera software help form the WHATWG in 2004
- IE7 sucks
- 2008: Google releases Chrome
- IE8 sucks

#### Web 2.0 and beyond

- Blogs, RSS, Social networks
- Die IE6!
- HTML5 & CSS3



#### Web Browser

You request a Web page or file in your Web browser.

#### Domain Name Service

DNS checks the domain name of the Website you entered and finds the address of its Web server.

#### **Hosted Web Server**

The site's Web server sends back the data for the requested Web page or file.

#### How the web works

## Setting up a web development environment

#### Browsers

- Firefox
- Safari
- Chrome
- Opera
- Parallels Desktop + Windows + IE

#### FireBug

- http://getfirebug.com
- Powerful Firefox add-on for web developers
- Inspect HTML and modify style and layout in realtime
- Plugins Yslow/Page speed

#### TextWrangler

- http://www.barebones.com/products/ textwrangler/
- Powerful general purpose text editor
- Syntax colouring and function navigation
- Little brother/sister of BBEdit

#### Inkscape

- http://inkscape.org
- Open source vector graphics editor
- Free alternative to Adobe Illustrator
- Not as nice, but free!

#### MAMP

- http://mamp.info
- MAMP = Mac, Apache, MySQL, PHP
- One-click-solution for setting up personal webserver
- GUI control center
- Free

### Installing MAMP

- Download and install in Applications folder
- Open control center, click Preferences
- Change Apache port to 80, and Apache root to /Users/username/Sites
- Turn off personal web sharing
- Test start page

#### Virtual hosts

- In Terminal: sudo edit /etc/hosts
- Add: 127.0.0.1 domain.local
- Open file at Applications:MAMP:conf:apache:httpd.conf
- Add Virtual hosts

```
NameVirtualHost *

<VirtualHost *>
    DocumentRoot "/Applications/MAMP/htdocs"
    ServerName localhost

</VirtualHost>

<VirtualHost *>
    DocumentRoot "/Users/YOU/sites/clientA/site"
    ServerName clientA.local

</VirtualHost>
```

#### Restart MAMP: done!

#### Questions?