HTML5 and CSS3, Chapter 3

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March 28, 2017

Dreamweaver (*etc.*): Pros

- WYSIWYG editing.
- Templates
- Site management

Dreamweaver (*etc.*): Cons

- Code maintenance
- Vendor lock-in
- Cost
- Complexity
    - $400 and up, depending on packages
- Code understandability
- Spotty standards compliance
- Display variations
    - WISIWYG is a lie
- Incompatability with other tools
    - Content management systems

Online site builders

- Some CMSs allow you to build and modify a web page right in the browser.
- Further discussion in Book VIII of your text.
- You should still learn HTML, CSS, *etc.*

Roll your own webpage tools

- Enhanced text editors.
- Browsers and plugins.
- Server software
  - Apache, PHP, MySQL, ...
- Multimedia tools
  - images, videos, sounds, music, ...

Text editors to avoid

- Microsoft Word
- Windows Notepad
- Mac TextEdit

Suggested editors

- https://notepad-plus-plus.org/
- https://wiki.gnome.org/Apps/Gedit
- http://www.vim.org/
- https://www.gnu.org/software/emacs/
- http://www.activestate.com/komodo-edit

A History of Web Browsers

- Mosaic/Netscape: the killer application
  - 97% market share at peak
- Microsoft Internet Explorer (IE)
  - First Browser War
  - Each browser added incompatible features
  - Microsoft eventually wins
  - IE becomes *the* standard
- Firefox shakes up the world
  - Compliance to W3C standards
  - Tabbed browsing
  - Easy customization
  - Improved security
- WebKit
  - Rendering engine used by both Safari and Chrome

Microsoft Internet Explorer

- ▶ IE 10 has respectable HTML5 support.
- ▶ IE 6 was the standard for many years, but largely incompatible with new standards.

Mozilla Firefox

Improvement on IE from a programmer's point of view:

- ▶ Better code view
- ▶ Better error-handling
- ▶ Great extensions
- ▶ Multi-platform support

WebKit/Safari

- Default for Mac, iPhone/iPad
- Built on WebKit, same as Chrome

Google Chrome

- Very fast, especially javascript
- Complies well with new standards
- Good developer toolkits available
- Developer features:
    - Real-time page editing
    - Page outline
    - Realtime CSS edit
    - Network tab
        - how long does each piece of a page take to load?
    - Sources view
    - Console

Opera

- Very good HTML5 compliance
- Many game consoles and mobile devices use Opera

Text-only browsers

- Very fast.
- Auditory browsers read the contents of web pages.
- Useful to understand how pages are used by people with visual disabilities.
- Useful to understnad how pages are viewed by search engines.