

# HTML5 and CSS3, Chapter 2

Geoffrey Matthews

Department of Computer Science  
Western Washington University

March 28, 2017

# HTML inherited many problems

- ▶ Browser manufacturers added exclusive features.
- ▶ The distinction between meaning and layout was blurred.
- ▶ Tables were used as a hack.
- ▶ People started using tools to write pages.
- ▶ The nature of the web was changing.
- ▶ XHTML tried to fix things.
- ▶ XHTML was difficult and complicated.

# XHTML had some good ideas

- ▶ All tags have endings.
- ▶ Tags cannot be overlapped.
  - ▶ Bad: `<a><b>my stuff</a></b>`
- ▶ Everything's lowercase.
- ▶ Attributes must be in quotes.
- ▶ Layout must be separate from markup.
  - ▶ Bad: `<font>`
  - ▶ Bad: `<center>`
- ▶ HTML5 is slightly less strict, but preserves these rules.

# Validation

- ▶ <https://validator.w3.org/>
- ▶ Syntax verification for HTML
- ▶ Can validate three ways:
  - ▶ by URL
  - ▶ by file upload
  - ▶ by direct input
- ▶ OX and Wheels example

# Tidy

- ▶ <http://infohound.net/tidy/>
- ▶ Tidy doesn't just find the errors, it tries to fix them!
- ▶ Tidy outputs XHTML by default.
  - ▶ Deselect that box.
- ▶ If Tidy gets confused, it may just remove tags.
- ▶ Set **indent** to **on**, so you can see if tags match up.