Structure & Style

HTML & CSS

Week 2

Hello, HTML!

- What?
- <tags> vs content
- <p> is for paragraph </p>
- <!– Comments -->
- <h1>Headings</h1><a>Anchors, Lists
- Generalizations
  - <html> wrapper tags
  - Indentation
  - Save often

The DOM and Trees

- elements
  - Make up the DOM
- Tree diagrams
  - Helpful for hierarchical visualization

HTML Validation

- If at first you don't succeed. Let the computer try.
  - https://validator.w3.org/

Ex1 - Amazeriffic

[Example](#)

Amazeriffic

Amazeriffic will change your life!

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Here's why you need Amazeriffic

- It fits your lifestyle
- It's awesome
- It rocks your world

Contact Us

Amazeriffic!

555 Fiftieth Street

Asheville, NC 28801

Sitemap

- Home
- About Us
- Privacy
- Support
- FAQ
- Careers

Hello, CSS!

- Adding stylesheets
  - <link href="my-stylesheet.css" rel="stylesheet" type="text/css">
- Rulesets
  - Rules applied to some subset of the DOM
  - Uses selectors and properties
- /* Comments */
- Padding, Border and Margin
  - Inline vs block
  - Content > Padding > Border > Margin

Selectors

- .Classes
  - Explicitly added
- :Pseduoclasses
  - Implicitly added
- More complex selectors
  - .class tag:pseudoclass { … }
- Cascading Rules
  - LIFO when determining ruleset preference
- Inheritance
  - Inherit parent rulesets unless overridden

Layouts with Floats

- Float - Left / Right
  - Removes from normal flow
  - Moves as far as parent allows

- The clear property – Left / Right / Both
  - No floating elements adjacent

Working with Fonts

- Using standard fonts
  - font-family property
- Adding custom fonts
  - Link to custom font in header
- Font properties
  - font-size
  - **Bold**, *Italic*, and <u>Underline</u>
- Fonts as icons
  - Fontawesome

Browsers and Troubleshooting

- Browser inconsistencies
  - Reset.css
  - Browser defaults controversy
- CSS Lint
  - csslint.net
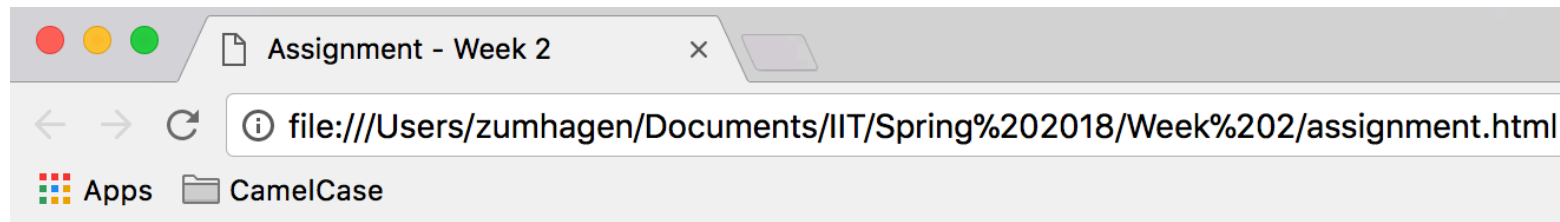- Chrome Developer Tools

Ex2 – Styling Amazeriffic

- Add reset.css and style.css to Amazeriffic
- Two column, fixed-width design. 855px width

Food for thought

- SASS / LESS
- Bootstrap
- Responsive design
- Media queries

Homework

Recreate the below using HTML and CSS. Full details on Blackboard.