Announcements

- Midterm on Friday
Kinds of Selectors

- **Descendant selector**
  - Override the type and class selector styles
  - Typically with two elements where the second is a descendant
  - li a {font-size: 2em}
  - **Example:** descendantSelector.html, descendantSelector.css

- **Child selector**
  - Element is styled if it is a direct descendant of its parent
  - p > em {text-decoratiion: underline;}
  - **Example:** childSelector.html, childSelector.css

- **Universal selector**
  - Applies to all elements
  - **Example:** * {font-family: arial, Helvetica; }

- **Pseudo-elements**
  - Allows you to style an item that is not marked by elements
  - Two pseudo-elements: :first-letter, and :first-line
  - **Example:** pseudoElements.html, pseudoElements.css
### Selectors

- **ID Selectors**
  - Used to identify unique sections of a web page

- **ID Selectors + descendant selectors**
  - Allow us to apply specific styles to elements in specific sections of a web page
  - Example:
    - `#header h2 {font-weight: normal;}
    - `#content h2 {font-weight: bold;}`
**Shorthand Property**

- Shorthand Property - allows you to specify several properties by using only one.
- If you don’t specify one of the properties a default value will be used.
- Commonly used shorthand properties
  - background
  - font
  - list-style
  - margin
  - border
  - padding

**Example**: noShorthandProp.html, noShorthandProp.css, shorthandProp.html, shorthandProp.css
Font-size Keywords

- xx-small
- x-small
- small
- medium
- large
- x-large
- xx-large
- larger
- smaller

Example: fontsizeKeywords.html, fontsizeKeywords.css
Background

- Background properties
  - background-color
  - background-image – location of image
  - background-repeat – how image repeats. Possible values
    - no-repeat – one instance of the image
    - repeat – tile
    - repeat –y → repeats on the y-axis
    - repeat –x → repeats on the x-axis
  - background-attachment – indicates attachment of the image to the containing element. Possible values are:
    - scroll → default value.
    - fixed → image will stay stationary as the scrolling takes place
  - background-position – Possible values (combination of are valid)
    - top, bottom, center, left, right
- Background images can be used in elements other than body
- Example: background.html, background.css
- Shorthand property: backgroundShorthand.html, backgroundShorthand.css
Generic Font Families

- sans-serif – (e.g., Verdana, Helvetica, Arial)
- serif – (e.g., Times New Roman, Georgia, Times)
- monospace – (e.g., Courier, MS Courier New)
- cursive – (e.g., Lucida Handwriting)
- fantasy – (e.g., Whimsey, Comic Sans)