

Announcements

- Project due today.
- Quiz #2.

Kinds of Selectors

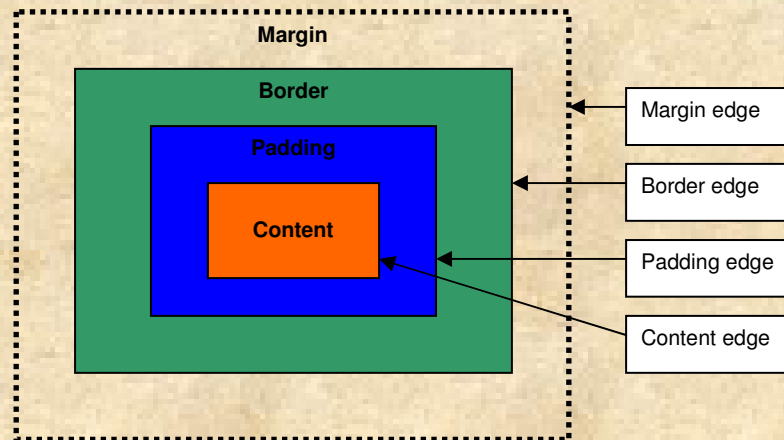
- **Class Selectors** – Allow us to apply the same CSS rule to different elements
 - Use when you need to apply a style to many times in your document
 - Created with a period (also known as full stop)
 - Example: classIdSelectors.html, classIdSelectors.css
- **ID Selectors** – Like class selectors but appear only once in the document
 - Used when you need to apply a style only once in your document
 - Created using #
 - Example: classIdSelectors.html, classIdSelectors.css
- **Others** (will see them later on)
 - Descendant Selectors, child selectors, attribute selectors, universal selectors

Additional HTML Elements

- `<div>` and `<span>` -
 - Allow you to delimit a section of the HTML body
- `<span>`
 - Used to wrap inline content (e.g., text sequence)
- You can apply style to the sections defined by `span` and `div`.
- Example: `spanDiv.html`, `spanDiv.css`

Box Model

- Each block element (e.g., p) contains four edges (top, bottom, right, and left) defining a box
- Four sections can be identified with a block element
 - Content – what lies in the middle of the box (text, image, etc.)
 - Padding – surrounds the content
 - Border – surrounds the padding and represents the box border
 - Margin – surrounds the border



<div> is a block element

- <div> Defines a block-level entity
 - ▣ Browser starts a div element's content on its own line
- <body> also defines a block-level entity
- You can use your box model knowledge to add more style to your pages.
- Example: boxModel1.html, boxModel1.css

Block Model

- Let's explore more of the box model with the following examples
- Example: `boxModel2.html`, `boxModel2.css`
- Example: `padding.html`, `padding.css`
- The margins, borders, padding, and background properties of block elements (e.g., `body`, `p`, etc.) are not passed to its child block-level elements

Setting Size

- Percentages – size of the font is based on the size of the parent element
- Length units
 - centimeters (cm)
 - millimeters (mm)
 - points (pt) - 1 pt → 1/72 inch
 - picas(pc) - 1pica → 12 pts
 - inches (in)
- Relative
 - ex – height of the lowercase x in the font
 - px – pixels
 - em – refers to font size of parent element
 - Example: 2 em → twice the font size of the parent element
 - If the parent is body tag and no font size is specified then the size is looked in the user's preferences specified in the browser
 - Allow you to define scalable style sheets