CSS Review

Vanilla CSS

Outline

Basics

CSS Rules

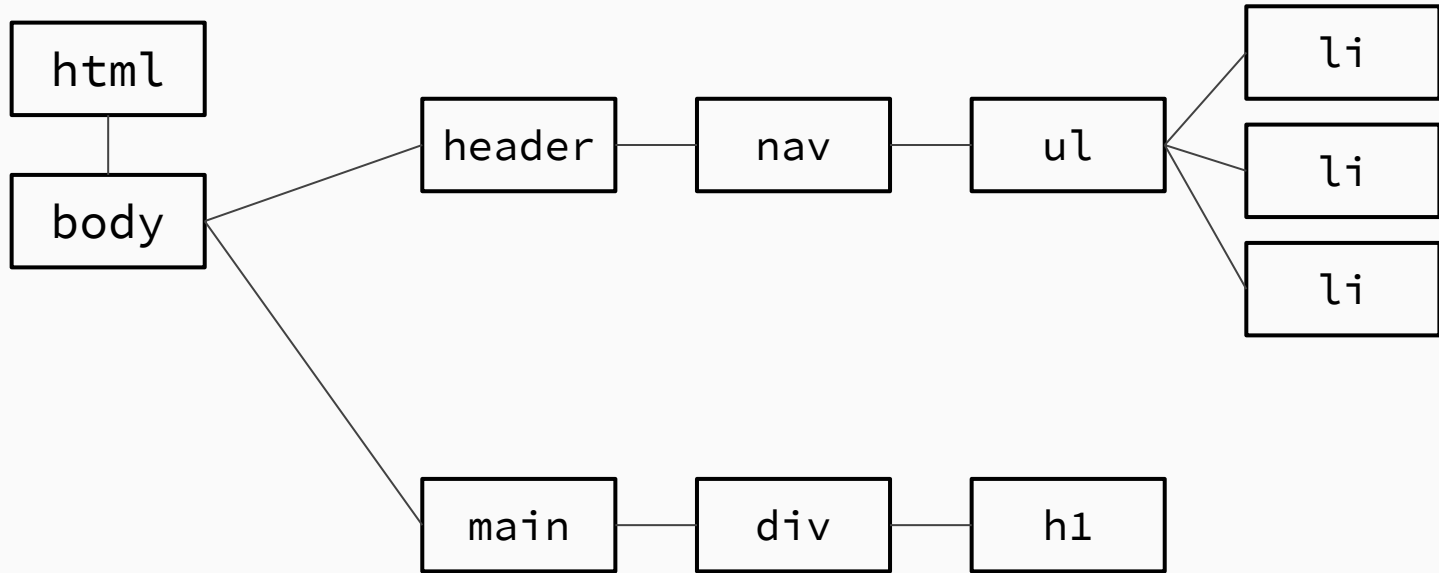`selector { property: value; }`

declaration

Selector Types

- element
- class
- id

[JSFiddle example](#)

Inheritance

DOM hierarchy
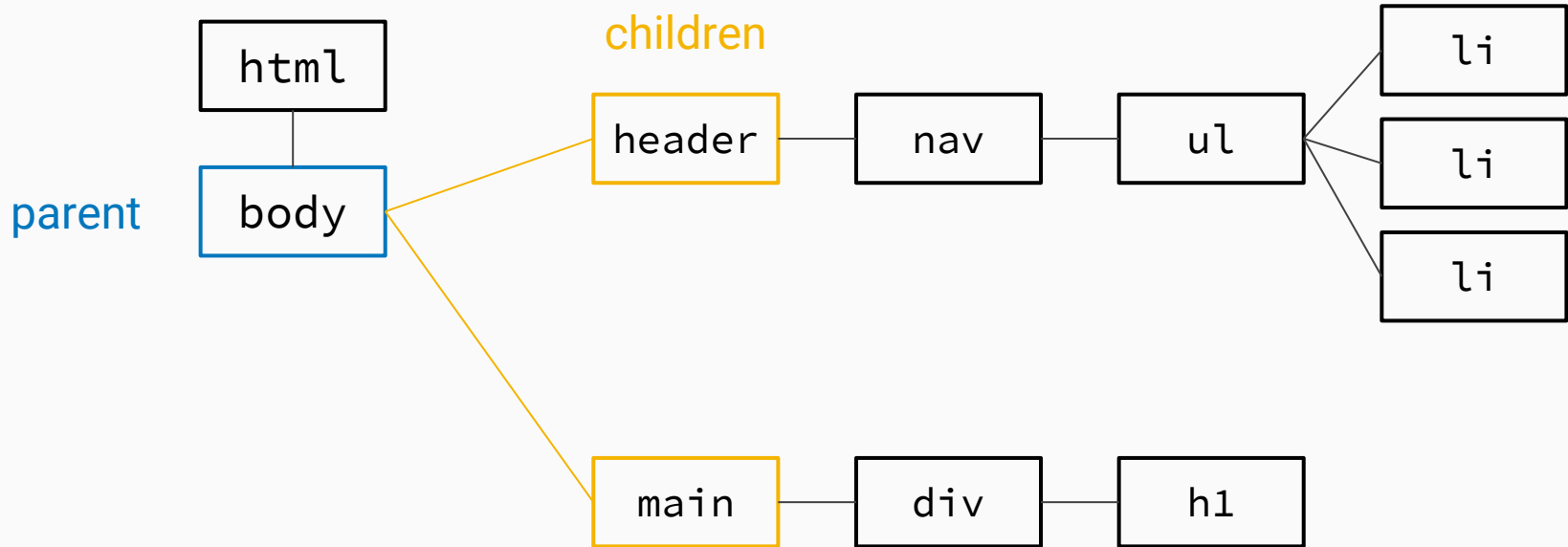

JSFiddle

Descendants of html element

ancestor

descendants

```
html

body

header — nav — ul — li
                    li
                    li

main — div — h1
```
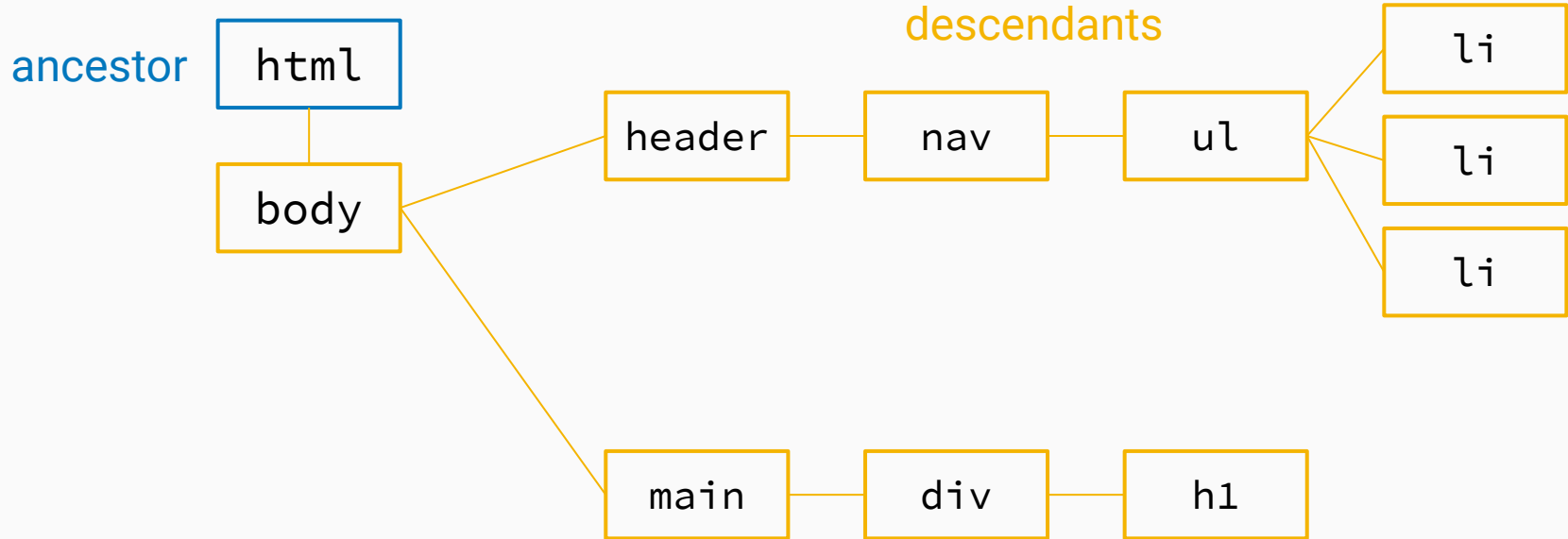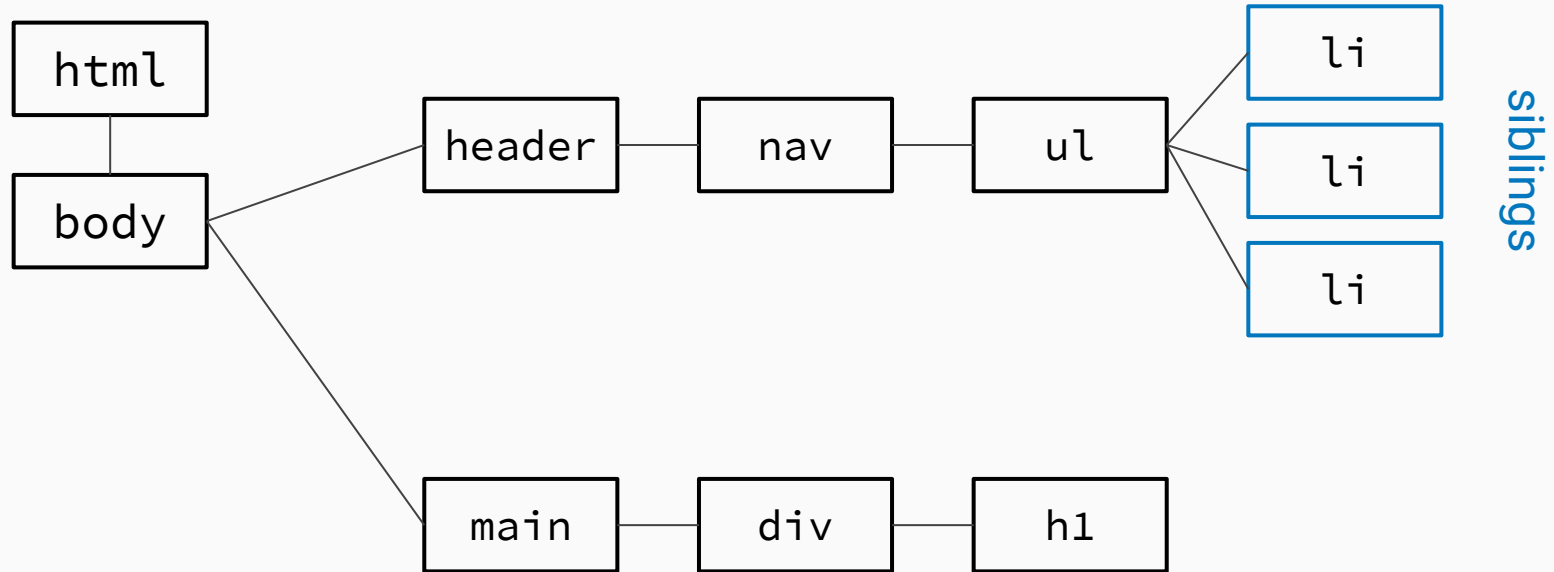
Parent child relationship

Sibling relationships

Cascading Styles

Attaching styles to your HTML document

External stylesheets

Embedded stylesheets

Inline styles

recommended

not recommended

Style sheet hierarchy

Override

- Browser default settings
- User style settings
- Linked external stylesheets
- Imported stylesheets
- Embedded stylesheets
- Inline styles
- Any style rule marked `!important` by the author
- Any style rule marked `!important` by the user
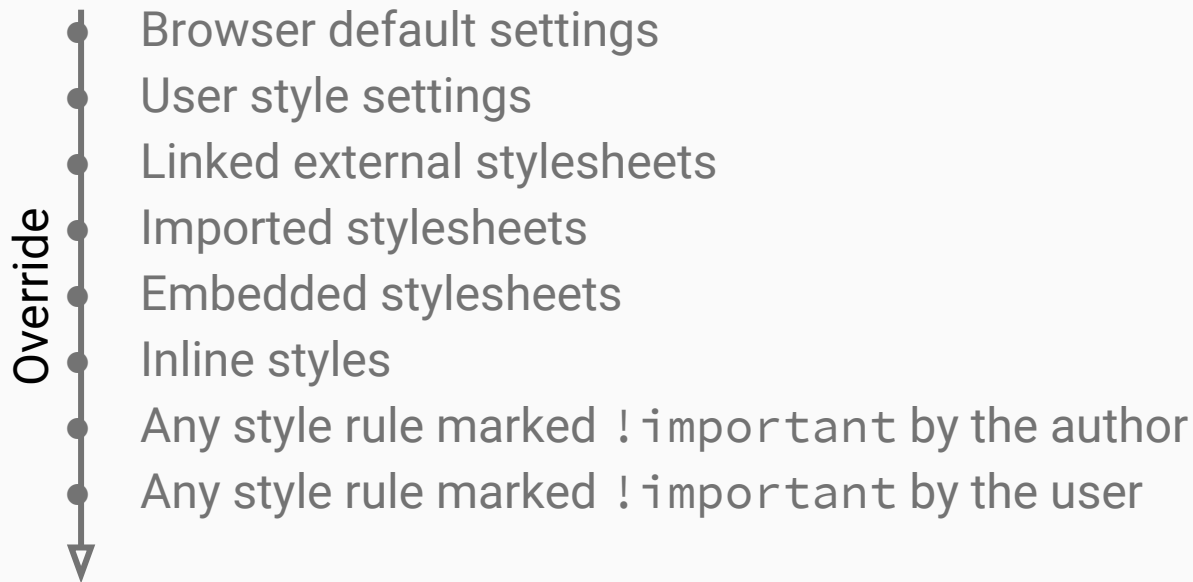
Rule order

If given 2+ identical styles with equal weight in stylesheet hierarchy, last style wins. JSFiddle

Box Model

All box everything
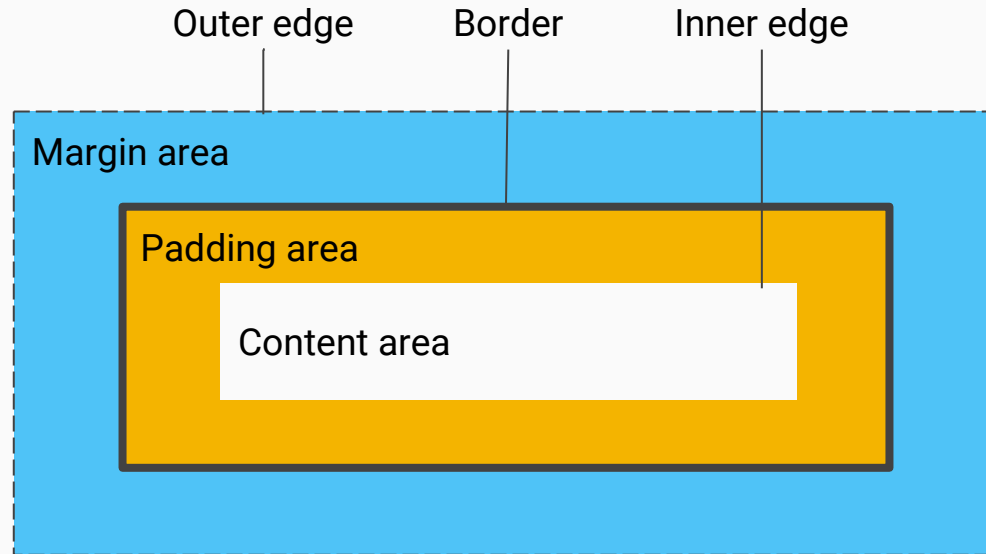
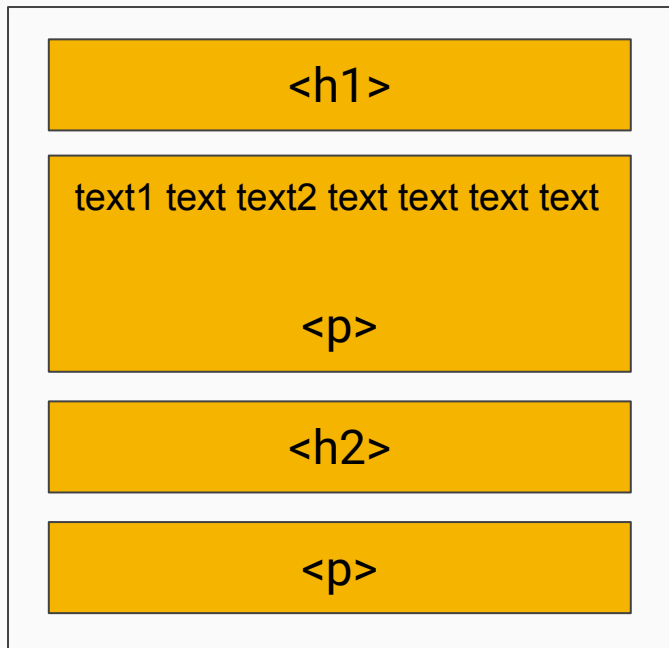Every element on an HTML page is a box as far as the browser is concerned.
JSFiddle

Element box

Outer edge   Border   Inner edge

Margin area

Padding area

Content area

Floating and Positioning

Normal flow

<h1>

text1 text text2 text text text text

<p>

<h2>

<p>

Inline/phrasing content reflows to fit block.

Block/flow content fills available width.

<h1>

text1 text text2 text text text text

<p>

<h2>

<p>
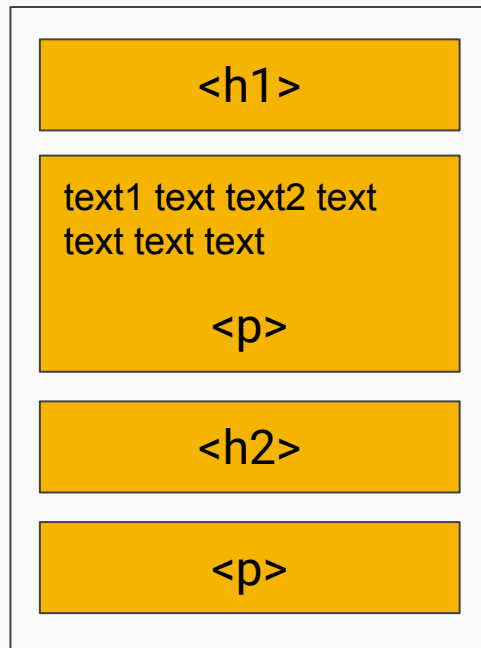
Floating: Definition

- Moves element as far as possible to the left or the right.
- Allows content to wrap around it.

Floating: Behavior

Normal flow inline image	Float left inline image	Float inline text	Float block text
Space next to image held clear	Image removed from normal flow, influences surrounding content	Always provide width	Always provide width
	Image stays in content area of surrounding element	Behaves like block/flow content	Elements do not float higher than their place in HTML
	Margins maintained by image	Margins do not overlap	

Floating: Make it stop

- Apply the `clear` property to the element you want to have start below the float

Positioning: Methods

- Relative to where they would appear in normal flow
  - `{ position: relative; }`
- Removed from flow, placed in particular spot
  - `{ position: absolute; }`
- Relative to the browser window (viewport)
  - `{ position: fixed; }`

Learn more

Accessibility

Accessible CSS

- Remember that HTML forms the structure of our document.
- Semantic meaning is conveyed by our HTML, not our CSS.
- Users with disabilities can change styles to make the Web experience work for them.

Read this! [WebAIM on Accessible CSS](#)

Resources

Online Tools

- [HTML5 Content Categories](#)
- [Color-hex](#)
- [W3Schools Hex Colors](#)
- [MDN CSS Reference](#)
- Collaborative/Sharing Tools
  - [JSFiddle](#)
  - [CodePen](#)
  - [Plunkr](#)

Sources

- "Learning Web Design" by Jennifer Niederst Robbins [book]