

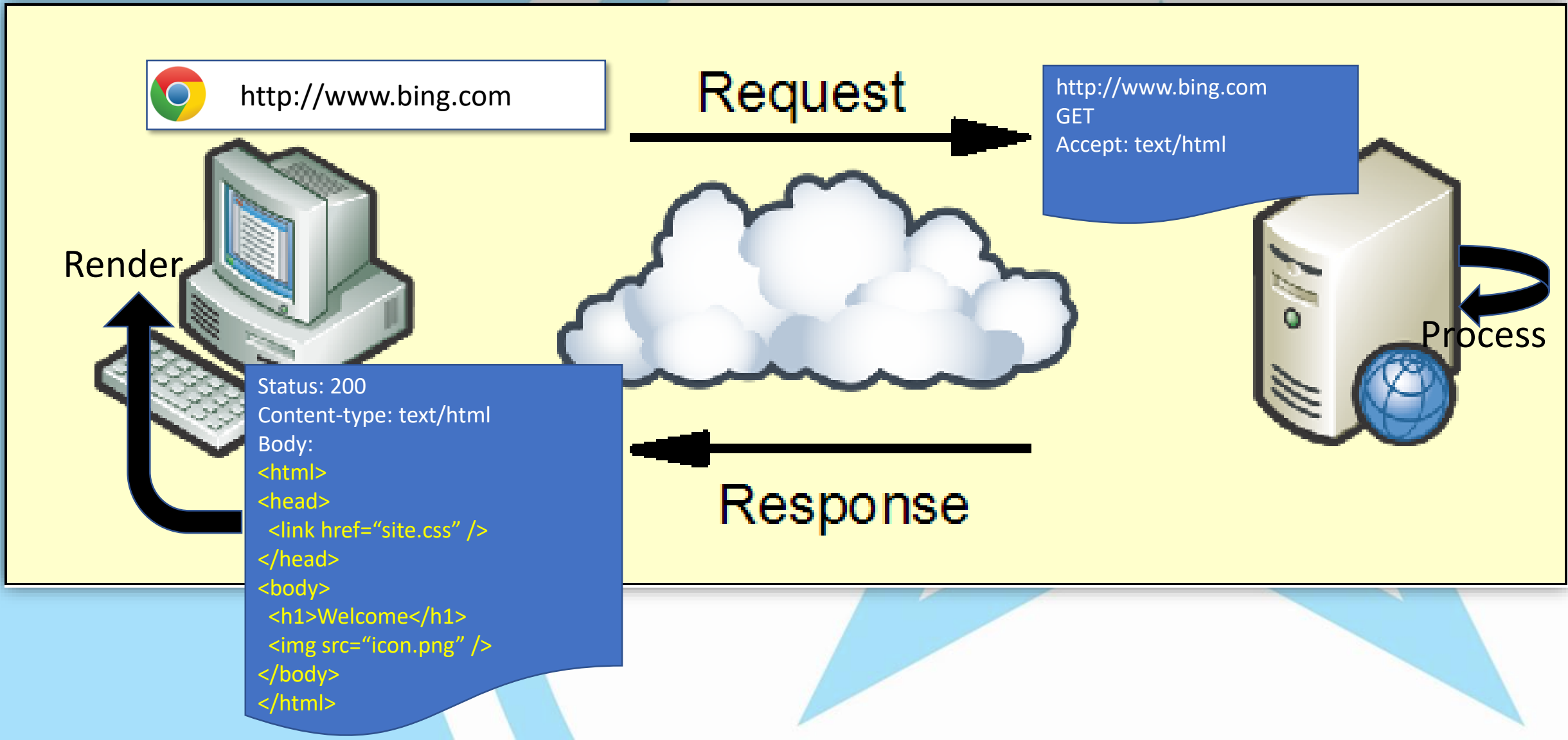
Module 3 Day 1

CSS

HTTP Request-Response

- Request
 - URL – Uniform Resource Locator
 - HTTP Method / Verb (GET, PUT, POST, DELETE)
 - Headers (auth, content-type, cookies)
 - Body (sometimes)
- Response
 - Status (2xx, 3xx, 4xx, 5xx)
 - Headers (content-type, set-cookie)
 - Body (sometimes)

HTTP Request-Response



HTTP Request-Response

- Stateless
 - server “remembers” nothing about the client between requests
- Cyclic
 - Response from server contains references, links and redirects
 - Client responsible for making multiple requests to completely fulfill the user’s query and display a complete page
- Browser Developer Tools (F12)
 - Help you see all the requests that are taking place
 - Help understand performance issues



Demo

Semantic HTML

- Semantic elements – imply some meaning to parts of a page
 - main, article, section, aside, header, footer, nav
- Non-semantic elements – use should be limited
 - div, span, b, i
- HTML applies *semantics*
- CSS applies *style*
- [HTML5 Semantic Elements](#)

CSS Rules - Properties

```
Selector(s) {  
    property : value;  
    property : value; ...  
}
```

- Property : value pairs
 - color : Red;
 - background-color : Yellow;
- https://developer.mozilla.org/en-US/docs/Web/CSS/Reference#Keyword_index

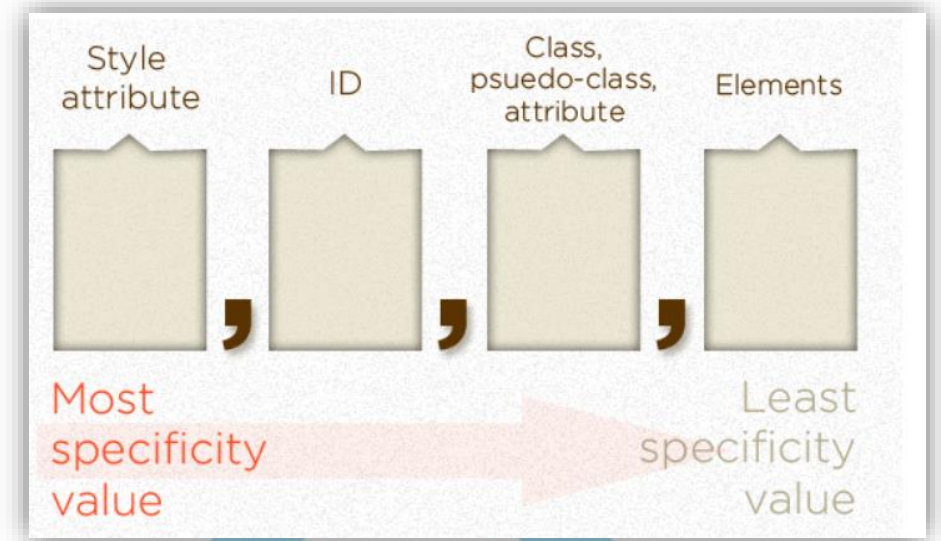
CSS Rules - Selectors

```
Selector(s) {  
    property : value;  
    property : value; ...  
}
```

- Type (element) selectors: p, body
- Class selectors: .className
- ID selectors: #mainDiv
- Multiple selectors: A, B
- Descendant: A B
- Child: A > B
- https://developer.mozilla.org/en-US/docs/Glossary/CSS_Selector

Specificity

- The most “specific” definitions apply
- Inline styles trump stylesheets
- Ids trump classes
- Etc.
- https://www.w3schools.com/css/css_specificity.asp
- <https://css-tricks.com/specifics-on-css-specificity/>
- <https://specificity.keegan.st/>



Box Model

- Block Elements
 - div, h1-6, p, header, footer, section
 - Margin, padding, height effective
- Inline elements
 - span, a, img
 - Vertical settings have no effect
- Inline-block elements
 - select, button
- Change using the Display attribute



Layout

- Default
 - Left to right, top to bottom, in order they appear in the HTML document
- Relative
 - Relative to where it would otherwise be positioned in the normal flow
 - *top, right, bottom, and left*
- Absolute
 - Place the element relative to the parent ancestor
 - Elements are removed from the flow of the page.
 - Setting both *top* and *bottom*, or both *left* and *right*, you can "stretch" an element's dimensions.
- Fixed
 - Relative to the browser window
 - Does not scroll with the page.

Visual Studio Code (VS-Code)

- Open the *folder* “With Code”
- Install Live Server extension
- Running Live Server
- Updating code
- Stopping Live Server



Let's
Code