

INTRO TO HTML AND CSS

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(Courtesy of Boyu Wang, 2016)
COMS 4170

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Agenda

- HTML
 - The skeleton
- CSS
 - The skin
- HTML/CSS Demo
- Next Time: JavaScript, jQuery (the muscle)

HTML

- HyperText Markup Language
 - HyperText → the method by which you move around on the web (clicking hyperlinks)
 - Markup → HTML tags *mark* the text inside them
- Used for describing web documents
- “The skeleton”

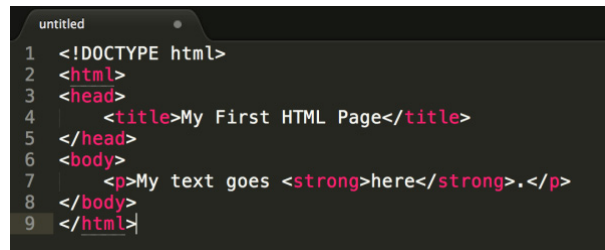
HTML Components

- HTML elements
 - The extent of an element is shown by a tag pair: a 'start tag' (e.g., <p>) and an 'end tag' (e.g., </p>)
 - Nested together to form an HTML document
 - Can have attributes, which provide more information

```
test.html
1
2 <a href="http://www.google.com">This is a link</a>
3 
```

Basic HTML Document Structure

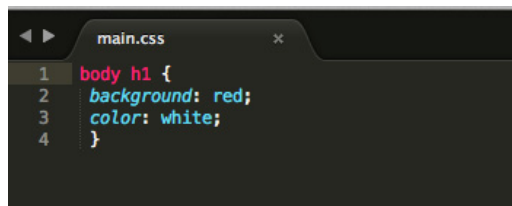
- Tags:
 - DOCTYPE
 - HTML
 - Head
 - Body

A screenshot of a code editor window titled 'untitled'. It shows a basic HTML document structure with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>My First HTML Page</title>
5 </head>
6 <body>
7   <p>My text goes <strong>here</strong>.</p>
8 </body>
9 </html>
```

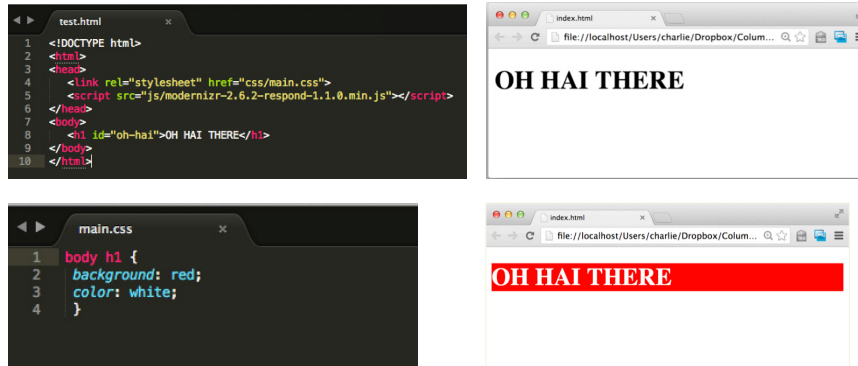
CSS

- Cascading Style Sheets
 - Used to describe the presentation of elements within an HTML document
- Adds style, such as:
 - Fonts
 - Colors
 - Spacing
- “The skin”

A screenshot of a code editor window titled 'main.css'. It shows a CSS rule for styling the body's h1 element with the following code:

```
1 body h1 {
2   background: red;
3   color: white;
4 }
```

HTML and CSS



- A skeleton with skin

Additional Resources

- [Codecademy Tutorial on HTML & CSS](#)
- [HTML Reference](#)
- [YouTube CSS Tutorial Series](#)
- [CSS Reference](#)
- [W3Schools](#)