

HTML5 Intro

or "wtf is this"

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intro to {HTML5,Ruby}, 2014

1 HTML5 Intro

- What is HTML?
- Sample HTML document
- HTML elements
- Core Elements
- Common elements
- Semantic elements
- Metadata
- Using semantic elements

2 CSS3

- CSS Rough Intro
- CSS Selectors
- CSS Properties
- more CSS

3 Resources

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What is HTML?

- HTML stands for HyperText **Markup Language**
- and it's the standard for creating web pages.
- .. also fairly easy to learn
- HTML5 is the newest version of HTML.
- index.html is an HTML document, there goes our "code"

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Sample HTML document

```
<!-- html5 -->
<!DOCTYPE html>
<html>
  <head>
    <title> My Site </title>
    <meta charset="utf-8">
  </head>
  <body>
    <h1>Hello World!</h1>
    <p>this is my little corner on the web.</p>
  </body>
</html>
```

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HTML elements

- HTML Documents are made by HTML Elements
- HTML Elements are written with a start and an end tag

```
<p>My first paragraph</p>
```

- Tags can have attributes

```
<p title="Intro">my introductory paragraph</p>
```

- we can identify tags

```
<p id="intro">my introductory paragraph</p>
```

```
<p class="post-content">  
  blogpost content paragraph  
</p>
```

- No elements, no party.

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- **<DOCTYPE !html>**

Define that this is an html5 document.

- **<html> ... </html>**

everything lives in here

- **<head> ... </head>**

used to describe metadata

<title>, **<style>**, **<meta>**, **<link>**, **<script>**

- **<body> ... </body>**

The visible part of the document.

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Common elements

`<div>`

`Example Link`

`<p>`

``, `<i>`

`
`

``, ``, ``

`<table>`, `<tr>`, `<td>`, `<th>`

`<form>`, `<input>`

...

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Semantic elements

`<article>`

`<section>`

`<aside>`

`<header>`

`<footer>`

`<figure>`

`<nav>`

``

``

...

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```
<head>
<meta charset="utf-8">
<meta name="description" content="short_description">
<meta name="keywords" content="fossaegean , aegean">
<meta name="author" content="Fossaegean">
<meta http-equiv="refresh" content="3">
</head>
```


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Using semantic elements pt1.

```
<body>
  <header>
    <h1>My Blog</h1>
  </header>
  <article>...</article>
  <footer>Posted on Dec 5, 2014</footer>
</body>
```

Using semantic elements pt2.

```
<article>
  <header>
    <h2>BlogPost Title</h2>
  </header>
  <p>.. content ..</p>
  <footer>Posted on Dec 5, 2014</footer>
</article>
```

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CSS Rough Intro

- stands for Cascading Style Sheets, and it's all about styling.
- main.css is a CSS document

- 1 Include a stylesheet in your html page

```
<link rel="stylesheet"
      type="text/css" href="main.css">
```

- 2 Select an element
- 3 Style it

```
body {
  font-family: sans-serif;
  background: #958671;
}
```

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```
<body>
  <div id="container">
    <header>
      <h1>Title</h1>
    </header>
    <article>
      <header>
        <h2>Post Title</h2>
      </header>
      <p>Post content</p>
      <footer>Posted on Dec 2, 2014</footer>
    </article>
    <footer>contact me at me@example.com</footer>
  </div>
</body>
```

```
body {...}  
div#container {...}  
div#container>header {...}  
article header {...}  
div#container header {...}
```


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CSS Properties

- color
- background-color
- margin
- padding
- width
- height
- display
- ...

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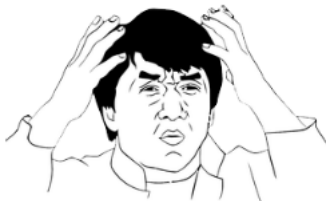
- media queries

```
article {  
  margin-left: 20%;  
}
```

```
@media screen and (max-width: 700px) {  
  article {  
    margin: 0;  
  }  
}
```

- use a front-end framework like foundation or bootstrap.

How do you
feel at the
moment?



Resources

Links

- w3fools
- MDN Web docs
- html5doctor
- html5rocks
- Foundation front-end
- Twitter Bootstrap
- Google HTML/CSS Style Guide

Editors

- Atom by Github
- Brackets by Adobe
- Gedit by Gnome
- Sublime Text 3 by satan himself
- vim