HTML+CSS

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HTML

HyperText Markup Language

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Bok, IT!</title>
6  </head>
7  <body>
8
9  </body>
10 </html>
```

Elements and Attributes

```
1  <!-- Types of elements -->
2
3      <!-- opening and closing tags -->
4      <article>
5          <h1>Biggest heading</h1>
6          ...
7          <h6>Smallest heading</h6>
8
9          <p>Just an usual paragraph.</p>
10
11         <a href="http://google.com">Take me to Google.</a>
12     </article>
13
14     <!-- Self-closing elements -->
15     <img src="image.png" alt="This caption is shown when image is not loaded" />
16     <link rel="stylesheet" href="">
17     <input type="text" name="email" id="email">
18
19     <!-- Empty elements -->
20     <br> or <br />
```
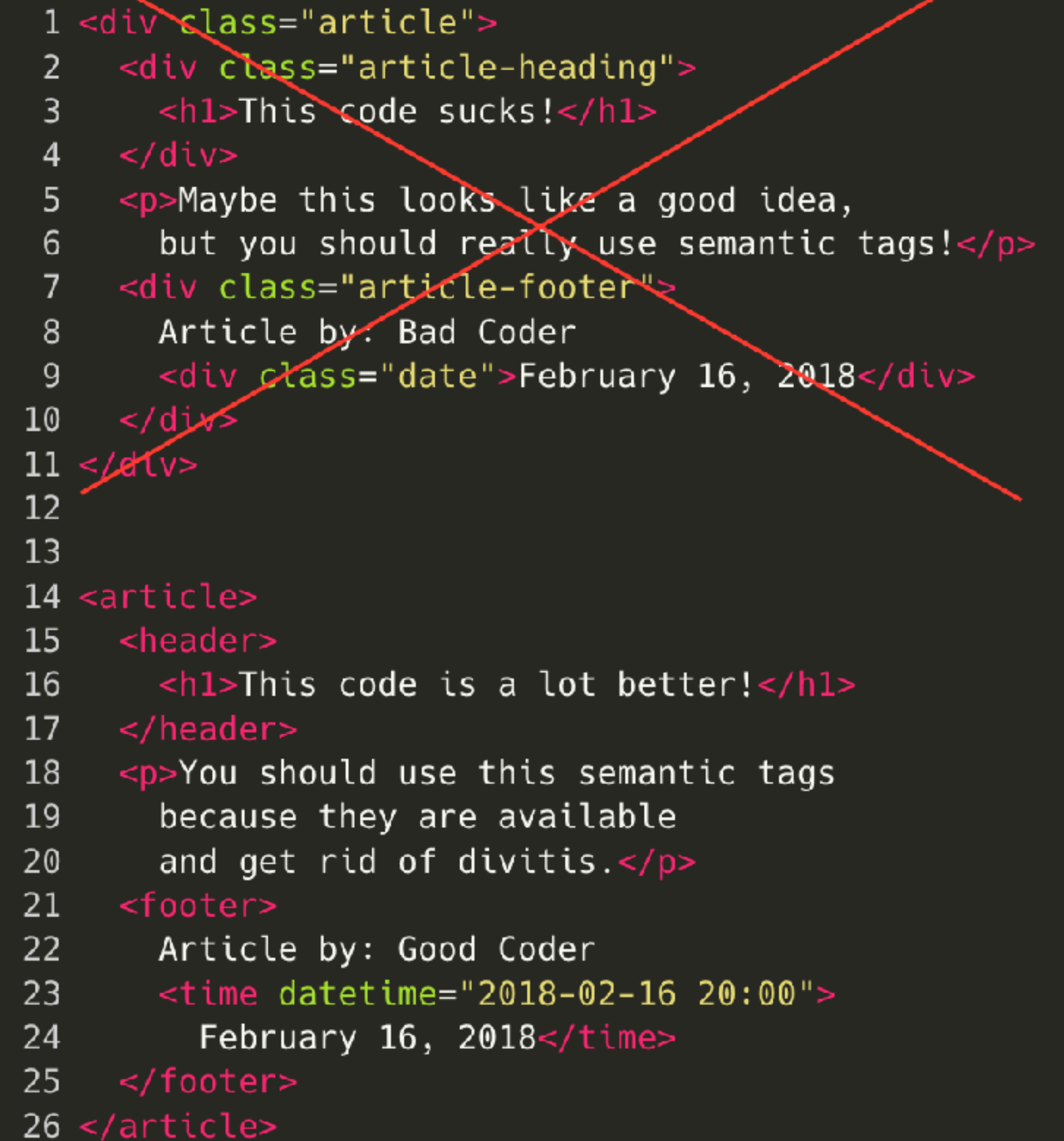
Getting lost in divs

Just don't do it!

```html
<div class="article">
  <div class="article-heading">
    <h1>This code sucks!</h1>
  </div>
  <p>Maybe this looks like a good idea,
     but you should really use semantic tags!</p>
  <div class="article-footer">
    Article by: Bad Coder
    <div class="date">February 16, 2018</div>
  </div>
</div>


<article>
  <header>
    <h1>This code is a lot better!</h1>
  </header>
  <p>You should use this semantic tags
     because they are available
     and get rid of divitis.</p>
  <footer>
    Article by: Good Coder
    <time datetime="2018-02-16 20:00">
       February 16, 2018</time>
  </footer>
</article>
```

Use semantic tags

- self explanatory

- better for SEO

- **accessibility**

```html
1 <div class="article">
2   <div class="article-heading">
3     <h1>This code sucks!</h1>
4   </div>
5   <p>Maybe this looks like a good idea,
6     but you should really use semantic tags!</p>
7   <div class="article-footer">
8     Article by: Bad Coder
9     <div class="date">February 16, 2018</div>
10  </div>
11 </div>
12
13
14 <article>
15   <header>
16     <h1>This code is a lot better!</h1>
17   </header>
18   <p>You should use this semantic tags
19     because they are available
20     and get rid of divitis.</p>
21   <footer>
22     Article by: Good Coder
23     <time datetime="2018-02-16 20:00">
24       February 16, 2018</time>
25   </footer>
26 </article>
```

CSS

Cascading Style Sheets

```css
1 body{
2     font-family: 'Lato', sans-serif;
3     line-height: 1.6;
4     color: #30323d;
5     font-size: 1.2em;
6     font-weight: 300;
7     word-wrap: break-word;
8 }
9
10 h1, h2, h3, h4, h5, h6{
11     font-family: 'Bitter', serif;
12 }
13
14 #consulting{
15     margin: 50px 0;
16 }
17
18 .services{
19     background: #ededed;
20     padding: 0 0 100px;
21 }
```

CSS

Selectors and Declaration


```
     Selector
1   body{
2       font-family: 'Lato', sans-serif;
3       line-height: 1.6;
4       color: #30323d;
5       font-size: 1.2em;
6       font-weight: 300;
7       word-wrap: break-word;
8   } Declaration
9
10  h1, h2, h3, h4, h5, h6{
11      font-family: 'Bitter', serif;
12  }
13     Selector
14  #consulting{
15      margin: 50px 0;
16  } Declaration
17     Selector
18  .services{
19      background: #ededed;
20      padding: 0 0 100px;
21  } Declaration
```

CSS
Properties and Values


```css
1 body{
2     font-family: 'Lato', sans-serif;
3     line-height: 1.6;
4     color: #30323d;
5     font-size: 1.2em;
6     font-weight: 300;
7     word-wrap: break-word;
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9
10 h1, h2, h3, h4, h5, h6{
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14 #consulting{
15     margin: 50px 0;
16 }
17
18 .services{
19     background: #ededed;
20     padding: 0 0 100px;
21 }
```

Ways to insert CSS

1. External CSS

2. Internal CSS

3. Inline CSS

```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>How to use CSS?</title>
6
7      <!-- External CSS -->
8      <link rel="stylesheet" href="style.css">
9
10     <!-- Internal CSS -->
11     <style>
12         body{
13             background: #ededed;
14             color: #333;
15             font-size: 18px;
16         }
17     </style>
18
19 </head>
20 <body>
21     <article>
22         <!-- Inline CSS -->
23         <h1 style="color: blue; font-size: 28px;">
24             New frontend enthusiasts spotted
25         </h1>
26         <p>
27             During the eSTUDENT HTML+CSS workshop,
28             new frontend enthusiasts have been spotted. <br>
29             More info soon!
30         </p>
31     </article>
32 </body>
33 </html>
```

Cascading Priority

1. Inline CSS

2. Internal CSS

3. External CSS

```html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <title>How to use CSS?</title>
6
7     <!-- External CSS -->
8     <link rel="stylesheet" href="style.css">
9
10    <!-- Internal CSS -->
11    <style>
12        body{
13            background: #ededed;
14            color: #333;
15            font-size: 18px;
16        }
17    </style>
18
19 </head>
20 <body>
21     <article>
22         <!-- Inline CSS -->
23         <h1 style="color: blue; font-size: 28px;">
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33 </html>
```

Bootstrap

HTML, CSS, JS library

Demo

http://tinyurl.com/eradionica

Next steps

- https://webflow.com/blog/html5-semantic-elements-and-webflow-the-essential-guide

- https://developer.mozilla.org/en-US/docs/Web/HTML/Element

- https://developer.mozilla.org/en-US/docs/Learn/HTML

- https://developer.mozilla.org/en-US/docs/Web/CSS

- https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS

- https://getbootstrap.com/docs/4.0/getting-started/introduction/