

Web Cartography

HTML





Goals

Learn the basics of **HTML**.



HTML

Hypertext Markup Language

W3C Standard (rules to adhere to)

HTML 5 is the **current version**

Consists of **elements**



HTML elements

```
<p>I'm a paragraph.</p>
```

```
<p class="note">And I have an attribute.</p>
```

```
<p>We can be <strong>nested.</strong></p>
```

```

```



HTML anatomy

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
  </head>
```

```
  <body>
```

```
  </body>
```

```
</html>
```



HTML <head>

Container for page info that's **not visible** to users
Title, encoding, keywords, description

```
<head>
```

```
  <meta charset="utf-8" />
```

```
  <meta name="description" content="I'm a  
description." />
```

```
  <title>Page title</title>
```

```
</head>
```



HTML <body>

Container for page info that's **visible** to users

Text, videos, images, links, ...

```
<body>
```

```
  <h1>I'm a heading.</h1>
```

```
  <p>Followed by a paragraph.</p>
```

```
</body>
```



Tips

Do not use **diacritics**, **spaces** or **capital letters** in filenames and file paths.

Use **English**.

Indent your code.

Use **syntax highlighting**.

Have a look at **Emmet** (<https://emmet.io>).

Learn to reference **file paths**.



HTML texts

```
<h2>I'm a second level heading</h2>
```

```
<p>Lorem ipsum <em>dolor <strong>sit  
</strong> amet</em>.</p>
```

```
<p><a href="https://example.com"  
title="Link to another website">I'm a  
link.</a></p>
```



HTML lists

```
<ul>
  <li>I'm an unordered list item.</li>
  <li>I'm the next one!</li>
  <li>
    <ul>
      <li>I'm nested!</li>
    </ul>
  </li>
</ul>
```

```
<ol>
  <li>I'm an ordered list item.</li>
  <li>I'm the next one!</li>
  <li>
    <ol>
      <li>I'm nested!</li>
    </ol>
  </li>
</ol>
```



HTML tables

```
<table>
  <caption>I'm a table caption</caption>
  <tr>
    <td>I'm a cell on the first row.</td>
    <td>Me too.</td>
  </tr>
  <tr>
    <td>I'm a cell on the next row.</td>
  </tr>
</table>
```



HTML images

```

```

```

```



HTML structure

```
<div id="main">  
  <div id="aside">  
    <p>I'll stand aside.</p>  
  </div>  
  <div id="content">  
    <p>I'll take the main part.</p>  
  </div>  
</div>
```



HTML validation

<https://validator.w3.org>



Tasks

Choose whatever GIS/spatial/cartographic **topic** you want.

Create a valid HTML **web page**.

Due: next week (won't be scored yet though)



Tips

HTML Basics at <http://jakpsatweb.cz>

Docs at <https://developer.mozilla.org/en-US/docs/Web/HTML>

Interactive tuts at <https://www.codecademy.com/tracks/web>

Docs at <http://devdocs.io/>



Feel free to ask

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