

HTML AND CSS CHEAT SHEET

Sample repository to be used for the workshop:

<https://github.com/suhaamber/GenericPortfolio>

1. HTML:

HTML (stands for hypertext markup language) is a standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS), SCSS or SASS and scripting languages such as JavaScript or PHP.

Standard format:

```
<html>
  <head>

  </head>
  <body>

  </body>
</html>
```

HTML consists of tags (opening and closing).

Opening tags: <tag_name>

Closing tags: </tag_name>

Empty tag: <tag_name/>

An HTML document is closed within <html> and </html>

<head>...</head> contains metadata (data about data) like:

- defines a title in the browser toolbar
- provides a title for the page when it is added to favorites
- displays a title for the page in search engine-results
- links to scripts and stylesheets

<body>...</body> consists of everything that goes in the webpage (i.e. everything the user can see).

You will find tags of the form <div class="col m-2" style="text-align: center;">. Class and style are attributes and `col m-2` and `text-align: center;` are values for these attributes.

<section>, and <div> define section and division in a webpage. Consider them blocks that hold other elements.

<p>, <h1>, <h2>, ... <h6> hold text.

<a> is used to hyperlink (to another address).

<button> creates buttons (its attributes determine its behaviour).

 holds images.

<hr> is used to draw horizontal lines.

 is used to create unordered (bulleted lists). determines an item of the list.

2. CSS:

CSS (Cascading Style Sheets) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. Stylesheets can easily be linked with HTML pages to enhance the way they look.

During the workshop, we will not be editing any CSS files but here are three things I want you to keep in mind:

1. <link href="css/index.css" rel="stylesheet"> is used in the head tag of the HTML sheet to link the CSS file index.css.
2. Some HTML elements contain the attributes class or id. These are used as identifiers. In the linked css sheet, we can use . for classes and # for id to refer back to those elements.
3. Some identifiers cannot be found in the stylesheet. This is because I have used a framework called Bootstrap that acts as an external stylesheet which is very simple to use.

Learn:

- <https://www.codecademy.com/catalog/language/html-css>
- <https://www.w3schools.com/html/>
- <https://www.w3schools.com/css/default.asp>
- https://www.w3schools.com/bootstrap/bootstrap_ver.asp
- <https://www.udacity.com/course/intro-to-html-and-css--ud001>
- <https://getbootstrap.com> (Bootstrap documentation)
- <http://codepen.io>