

Ten Commandments of HTML and CSS!

HTML Structure

- Indent (see the Atom package <https://atom.io/packages/atom-beautify> and the keyboard shortcut **Alt+Ctrl+B**)
- Don't forget to set a `<!DOCTYPE html>`, good `<meta>` markups and a beautiful `favicon`!
- Importance of comments `<!-- -->` to describe your source code !
- Remind also that the classic tags `id` and `class` names can't contain spaces, IDs have to be uniques, and CSS only contain classes.
- Use some cool HTML5 Tags, eg `<navbar>` or `<footer>` (<https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5>)
- Set a `data-src` and the `alt` attributes of your images.

Content Structure Example

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must follow -->
    <title>Bootstrap 101 Template</title>

    <!-- Bootstrap -->
    <link href="css/bootstrap.min.css" rel="stylesheet">

    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
      <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
      <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
    <!-- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
  </body>
</html>
```

Integration of CSS

- Do not use it inline in the HTML tags or in the header, but in a dedicated CSS file with the meta link:

```
<link rel="stylesheet" href="style.css" />
```

- Also look at <https://openclassrooms.com/courses/apprenez-a-creer-votre-site-web-avec-html5-et-css3/mettre-en-place-le-css>
- Finish by learning basic CSS tricks: <http://adamschwartz.co/magic-of-css/>
bonus: @keyframe

To go further

- Use a Linter <https://atom.io/packages/linter-csslint>
- Google Page Speed <https://developers.google.com/speed/pagespeed/>
- W3C Validator <https://validator.w3.org/>

Resources

- <http://mdo.github.io/code-guide/>
- <https://google.github.io/styleguide/htmlcssguide.xml>