



Hard core programmers don't use CSS. Have you seen the GCC Compiler home page[1]? Just kidding, it's important!

[1] http://gnu.org/software/gcc



Learning to program can be very tedious. Some people don't really find it that interesting.

If you do like it, it can be very rewarding. I've had a lot of fun creating robots, retro game controllers, my own games, and other cool apps to make my life easier.

I hop subjects all the time. This has been one of the few subjects that I've yet to run out of things to try next.



We'll use the new projects feature in CodePen as our development environment.



I don't want anyone getting behind, and I want to get past the beginning so we can make cool stuff. I like cool stuff.



Just don't break the school's computer :P

So let's get started with some HTML!





#### The Structure



# HTML provides the basic structure and defines content of your web page.

#### **Tags everywhere!**

HTML consists of tags, usually an opening and a closing tag with content inside.

These are used to define the content on your web page. My Paragraph <h1>My heading</h1> <h2>My smaller heading</h2>

Would create something like:

My Paragraph

My heading My smaller heading

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Notice a closing tag is the opening tag with a / before the tag name.



A line break for example doesn't have have a closing tag and the / is after the tag name.

Also tags can be nested inside other tags.

#### **Different tags do different things**

There are tags for:

- Paragraphs
- Dividers
- Lines
- Input fields
- Sliders

- Tables
- Images
- Embedding other pages
- And a lot more



For example you might have a section (div) with multiple paragraphs and a bulleted list in it.

Note: the indention is not necessary but it makes it easier to read.



Note: the paragraph will render as one line, but that's why we have br tags. Breaks in text in your HTML just count as a single space.

#### **Attributes**

It is possible to add extra data to tags. This data can:

- Change the tags
  appearance or behavior
- Help JavaScript find them
- Specify which CSS styles are applied
- Go here for more info

<img src="google.com/img.png" />

<button class="button-primary"> Click Me </button>

<input id="name" value="jim" type="text">



## If you already know HTML try to find an HTML5 feature that you didn't know about and add it to the page

### Project #1

A Basic Blog



If you want more of a challenge, try to find and use some new semantic HTML5 tags.

If you get done early, try looking into the semantic HTML5 tags.

We will review, do a little show and tell at the end, and spend some time doing Q&A.





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