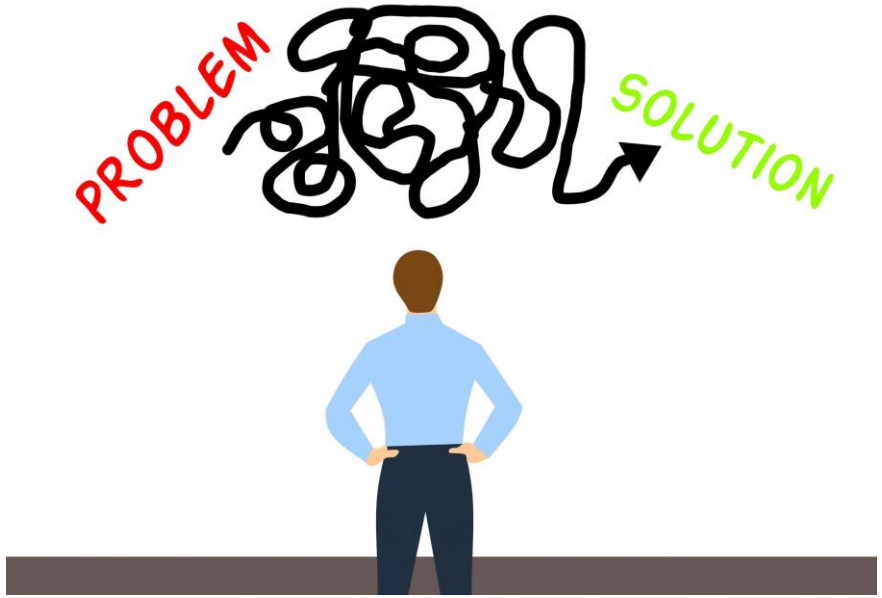
San Diego Global Knowledge University

HTML and CSS

Coding Standards

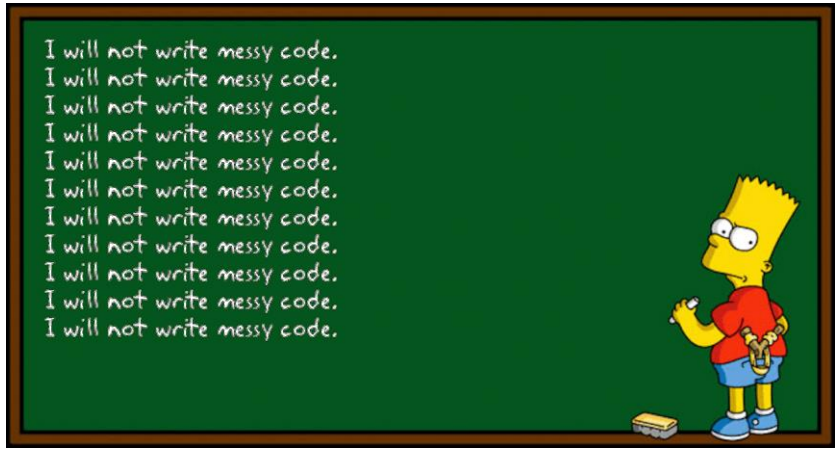
Programmers are employed to **solve** real world **problems**, not to deal with coding styles. In most companies, you are not judged by the number of lines of code that you write, but by the value and the results that your company gets from your work.

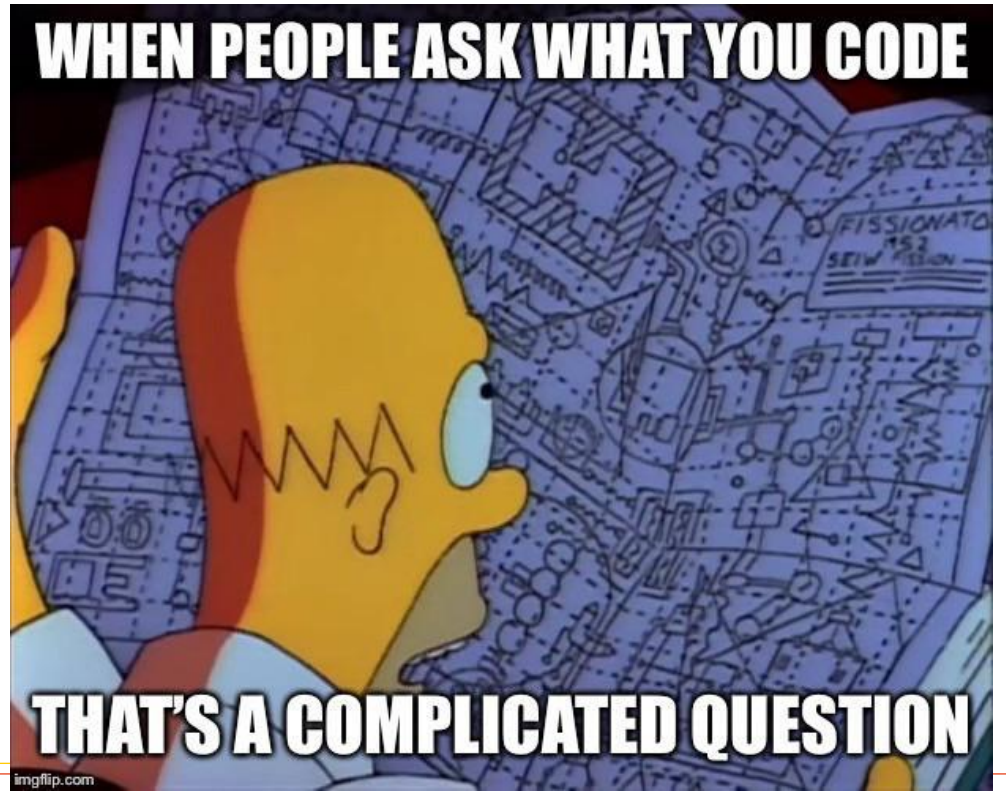


Programmers

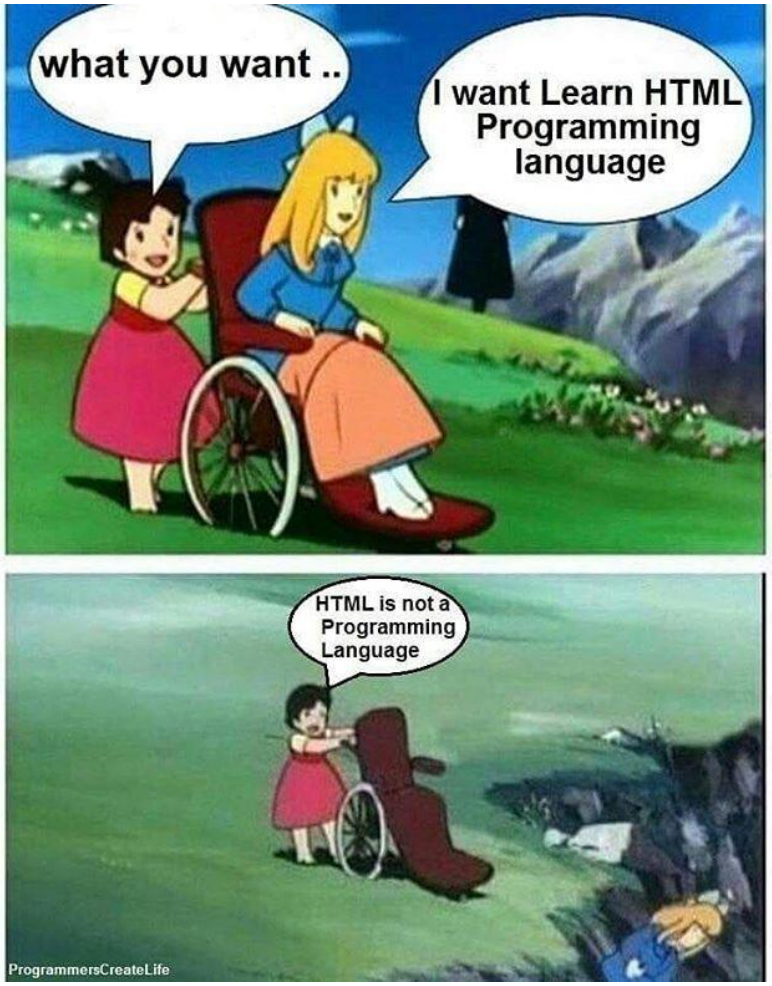
Solving problems, while using a coding style that your team has agreed upon, is something that you should be doing.

Programmers are humans that have their own unique tastes of code, and it is almost impossible to find a coding style that everyone would like.





HTML


what you want ..
I want Learn HTML Programming language
HTML is not a Programming Language
ProgrammersCreateLife

HTML best practices for beginners

1. Use proper document structure
2. Declare the correct doctype
3. Always close tags
4. Don't use inline styles
5. Use alt attribute with images
6. Validate frequently
7. Place external style sheets within the <head> tag
8. Use meaningful tags
9. Use lowercase markup
10. Reduce the number of elements on a page

HTML Coding Standards

- Indentation
- Doctype
- Use of Sematic Elements
- Use practical ID and Class Values
- Use lower case Markup
- Spaces and Equal signs
- Comments

Indentation

- Should always reflect logical structure.
- Use tabs not spaces.
- Increases readability.

Doctype

- Use correct Document Type

```
<!DOCTYPE html>
```

Use of Sematic Elements

- Search Engine Friendly.
- Shorter and download fast.
- Accessibility.

Use practical ID and Class Values

- Relating to the content itself, not the style of the content.

Bad Code

 Error! Please try Again

 Error! Please try Again

Use lower case Markup

HTML allows mixing uppercase and lowercase letters in element names.

However, we recommend using lowercase element names, because:

- Mixing uppercase and lowercase names looks bad
- Developers normally use lowercase names
- Lowercase looks cleaner
- Lowercase is easier to write
- Lowercase is easier to read.

Good:

```
<body>
<p>This is a paragraph</p>
</body>
```

Bad:

```
<BODY>
<P>This is a paragraph</P>
</BODY>
```

Use Lowercase Attribute Names

Good:

```
<a href="https://www.w3schools.com/html/">Visit our HTML tutorial</a>
```

Bad:

```
<a HREF="https://www.w3schools.com/html/">Visit our HTML tutorial</a>
```

Spaces and Equal Signs

Good:

```
<link rel="stylesheet" href="styles.css">
```

Bad:

```
<link rel = "stylesheet" href = "styles.css">
```

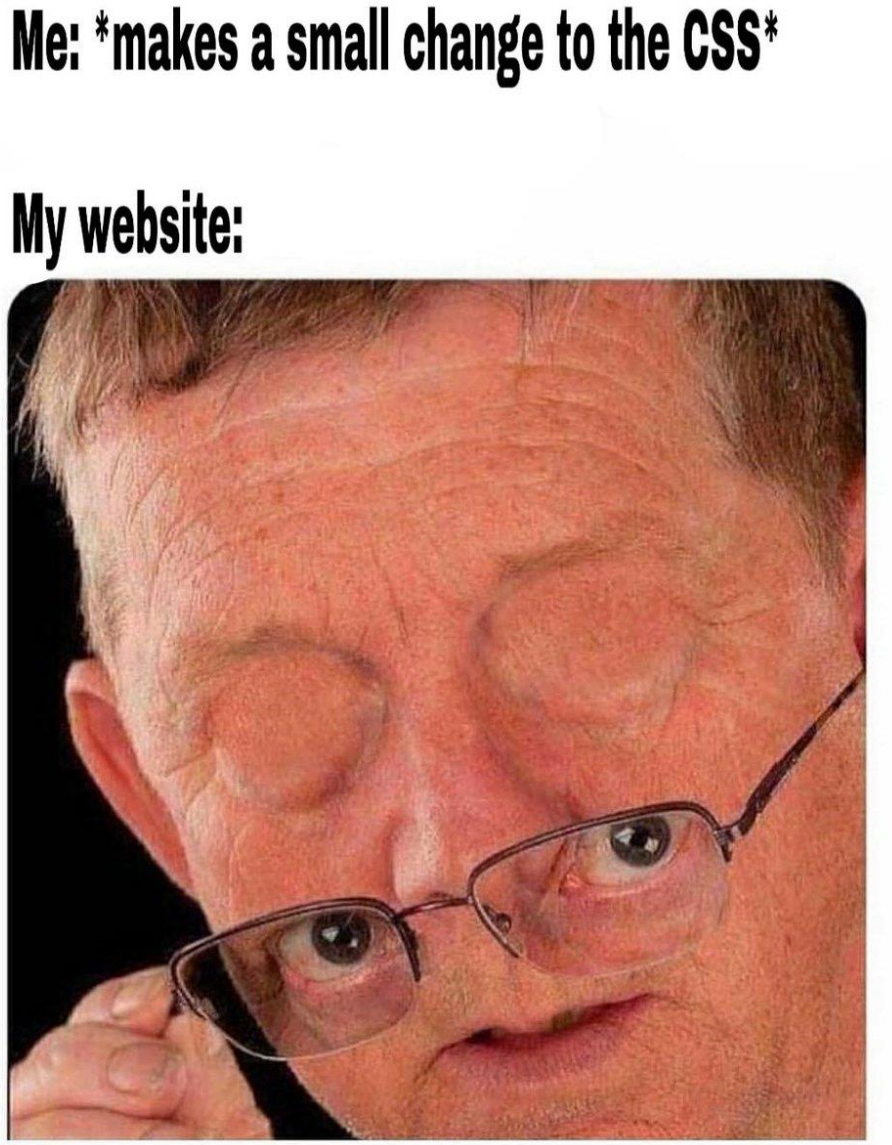
Comments

- For programmers.
- Helps reduce errors.
- For future.

```
<div class=“alert”>
…
</div> <! -- alert ends -->
```

CSS Coding Standards

- Structure
- Selectors
- Properties
- Values
- Commenting



Structure

- Use tabs, not spaces for indentation.
- Two blank lines between sections.
- One blank line between blocks in a section.
- Each selector should be on its own line.
- Property-value pairs should be on their own line.
- The closing brace should be flush left.

CSS

```css
body{
  background:black;
}
.container{
  position:relative;
  width:800px;
  height:600px;
  background:#214760;
  margin:0px auto;

}
```

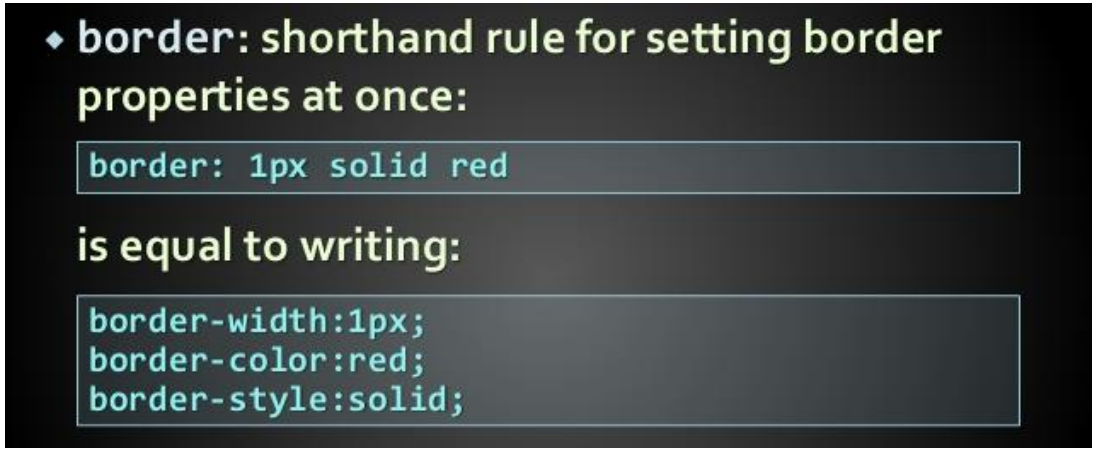
Selectors

- Use lowercase and separate words with hyphens when naming selectors.
- Refrain from using over-qualified selectors.
- Attribute selectors should use double quotes around values.

```
#comment-form {
    margin: 1em 0;
}
input[type="text"] {
    line-height: 1.1;
}
```

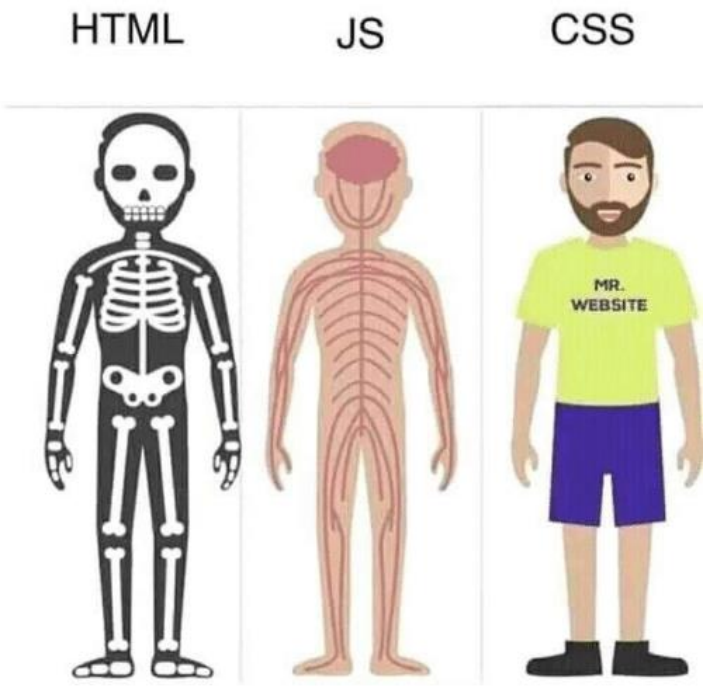
Properties

- Should be followed by a colon and a space.
- Use lowercase.
- Use shorthand.



Property Ordering

- Display
- Positioning
- Box model
- Colors and Typography
- Other



Dev Human

Values

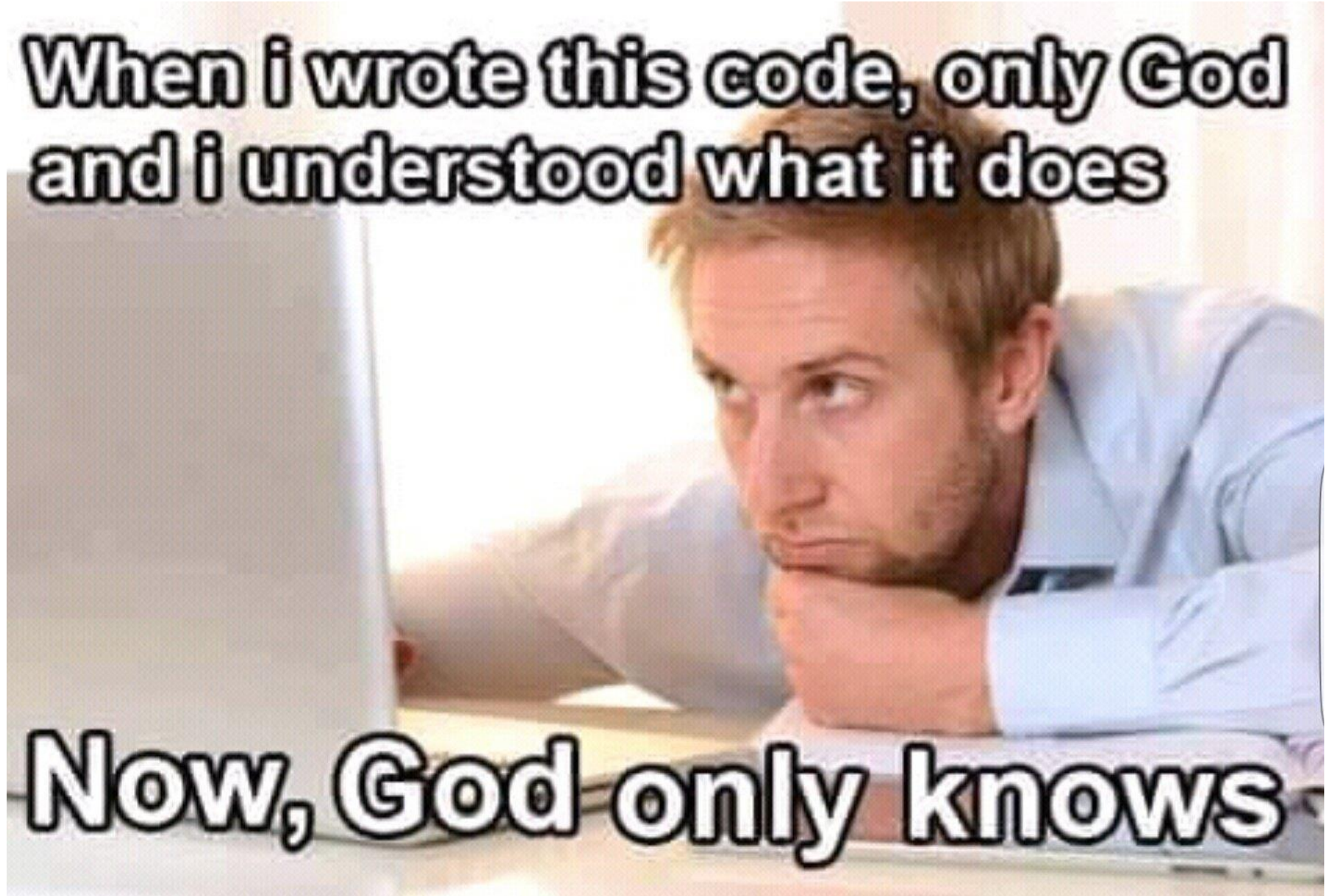
- Space before the value, after the colon.
- Always end in a semicolon.
- Use double quotes rather than single quotes.
- 0 values should not have units unless necessary.
- Line height should also be unit-less, unless necessary.

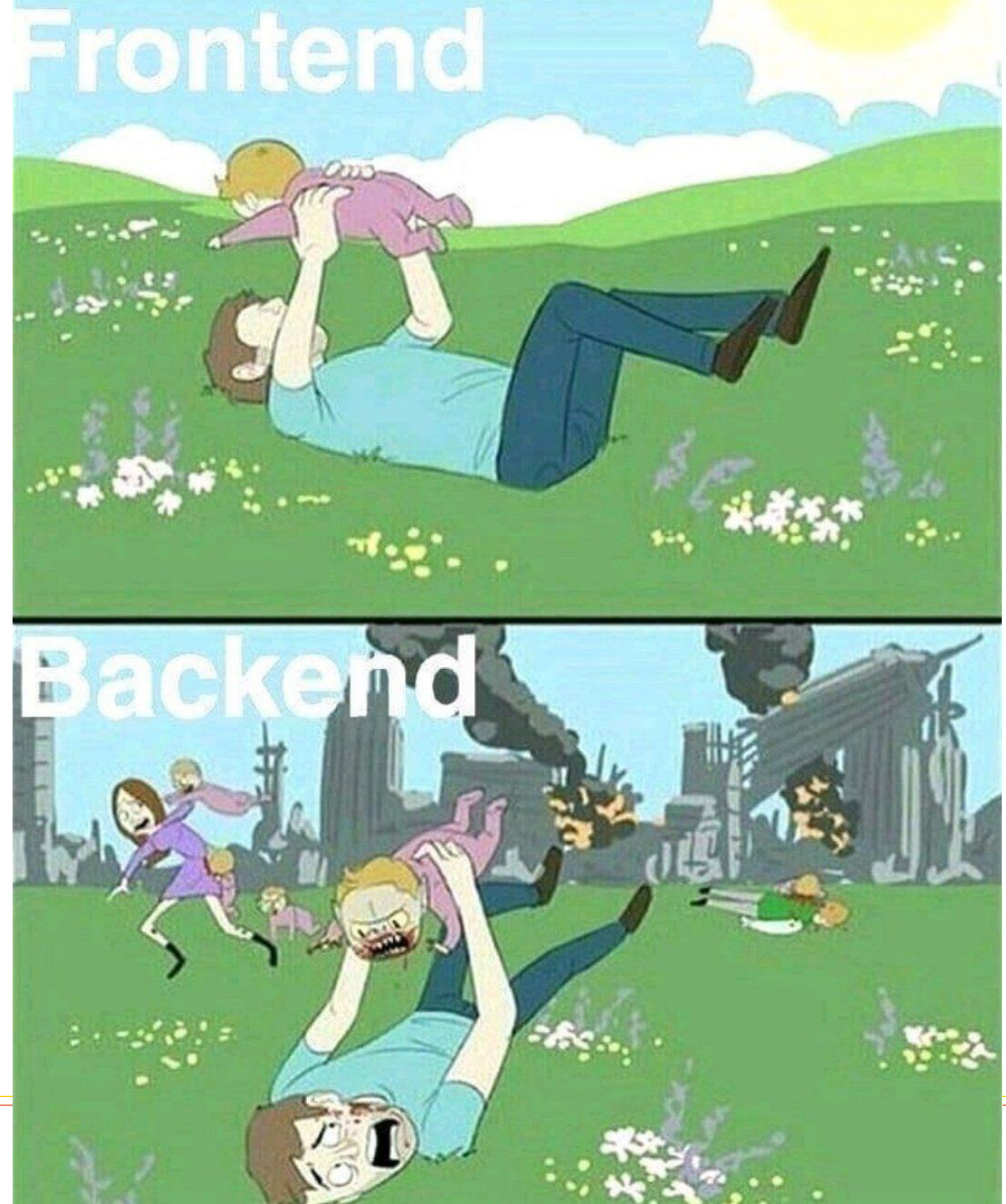
THE TWO STATES OF EVERY PROGRAMMER

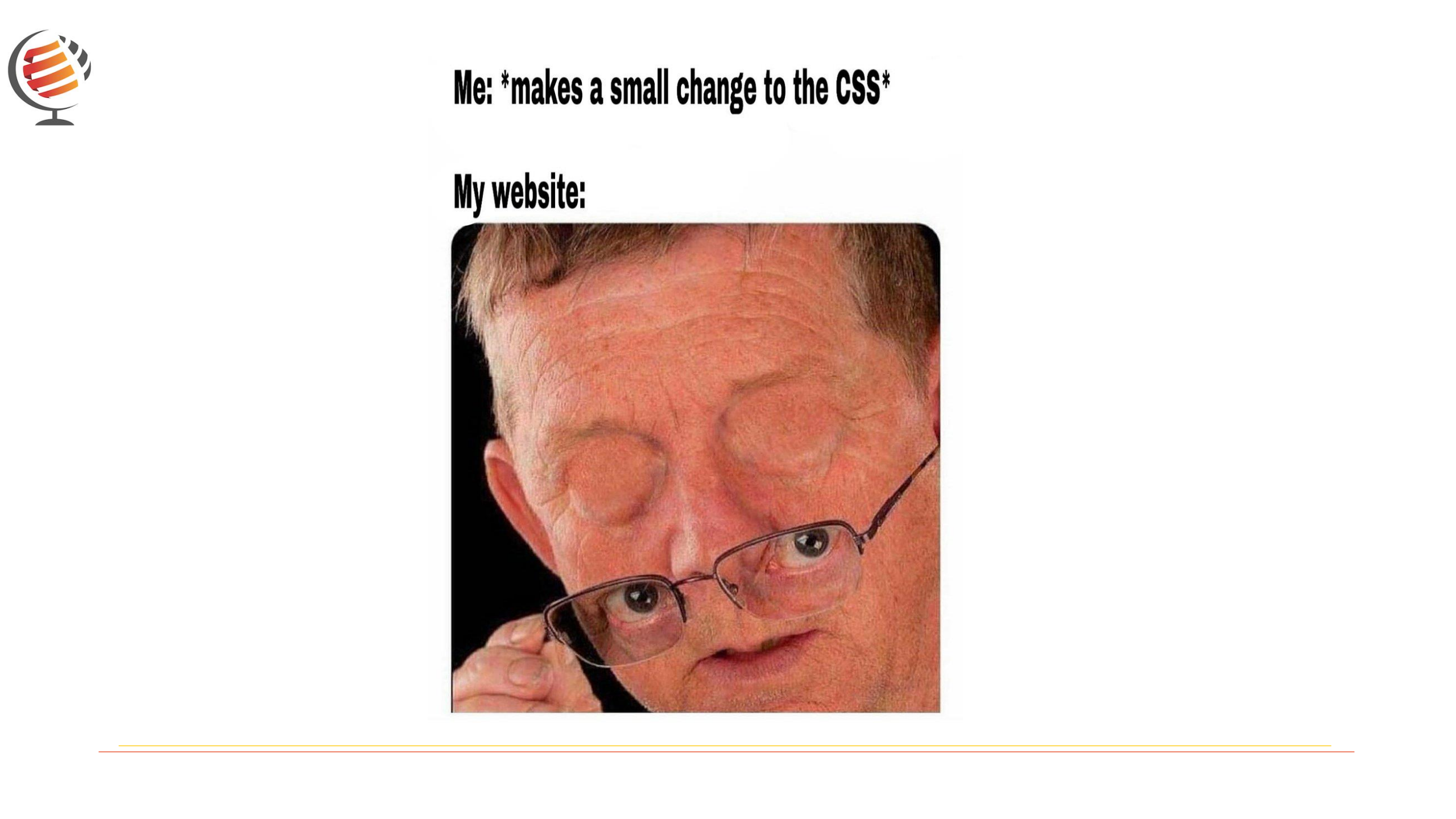
I AM A GOD.

I HAVE NO IDEA WHAT I'M DOING.

MY CODE DOESN'T WORK.
I HAVE NO IDEA WHY...
MY CODE WORKS.
I HAVE NO IDEA WHY...
memecenter.com
MemeCenter


When i wrote this code, only God and i understood what it does
Now, God only knows


Frontend
Backend


Me: *makes a small change to the CSS*
My website: