

# Features & CSS



# Learning Objectives

- **Implement** a dropdown menu
- **Create** a back to top button
- **Explain** the difference between a library and a framework
- **Use** Basscss
- **Use** Materialize

# Agenda

- Review
- Drop Down
- Back to top button
- Libraries vs. Frameworks
- Basscss
- Materialize

# Projects

# Review



# Features



# Dropdown Menu

# The Approach

```
<ul>
  <li>
    <a href="#">Not a drop-down</a>
  </li>

  <li>
    <a href="#">Drop Down</a>
    <ul>
      <li>Drop Down Item One</li>
      <li>Drop Down Item Two</li>
    </ul>
  </li>
</ul>
```



# Back to top button

# Pseudo-code

Have functions that can do the following:

**IF** the page has been scrolled down over 500px  
    REMOVE the class hidden from .back-to-top

**ELSE**  
    ADD the class hidden to .back-to-top

**IF** the element with class back-to-top is CLICKED

**SELECT** the html and the body tag (the things that have scrolled)  
    ANIMATE their scrollTop position back to zero over 300 ms

# CSS Libraries



# What is a CSS Library?

- It is someone else's code that makes our life easier
- It does not change the way we write code! It just helps us get things done
- It does this by giving us utilities to do things, e.g.
  - Classes for fancy buttons
  - Nice stylings of forms
  - A grid system
  - *It tends to provide base styles, that are easy to overwrite*

# CSS Libraries

- [Basscss](#)
- [SkeletonCSS](#)
- [Gutenberg](#)
- [Bulma](#)
- [Tachyons](#)
- [Milligram](#)
- [PureCSS](#)

# Frameworks



# What is a Framework?

- Again, someone else's code that we use to make our life easier
- Not always just CSS classes, it can include JS as well (for common things like sliders etc.)
- It changes the way we write code!
- They can be **very** difficult to overwrite
- They tend to be quite heavy (lots of stuff)

# Frameworks

- Bootstrap
- Materialize
- Foundation



# Libraries vs. Frameworks

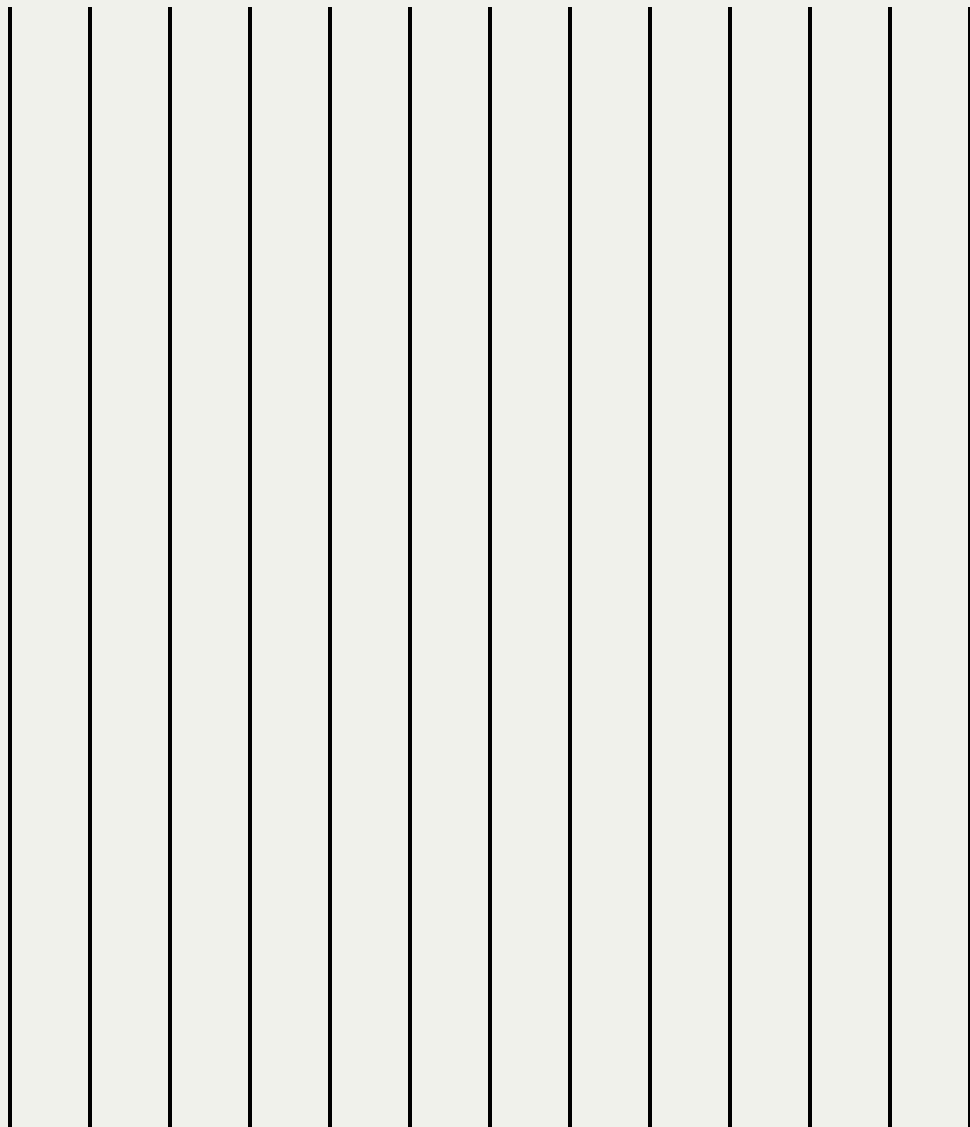
- Libraries tend to be much smaller, doesn't take as long to load
- Frameworks tend to have much more in them (e.g. they can help with a lot more features)
- Frameworks tend to be difficult to overwrite - and your sites can end up looking the same
- Libraries tend to give you much more design-control, but require you to write a lot more CSS
- Both make it easier to build responsive sites. How?

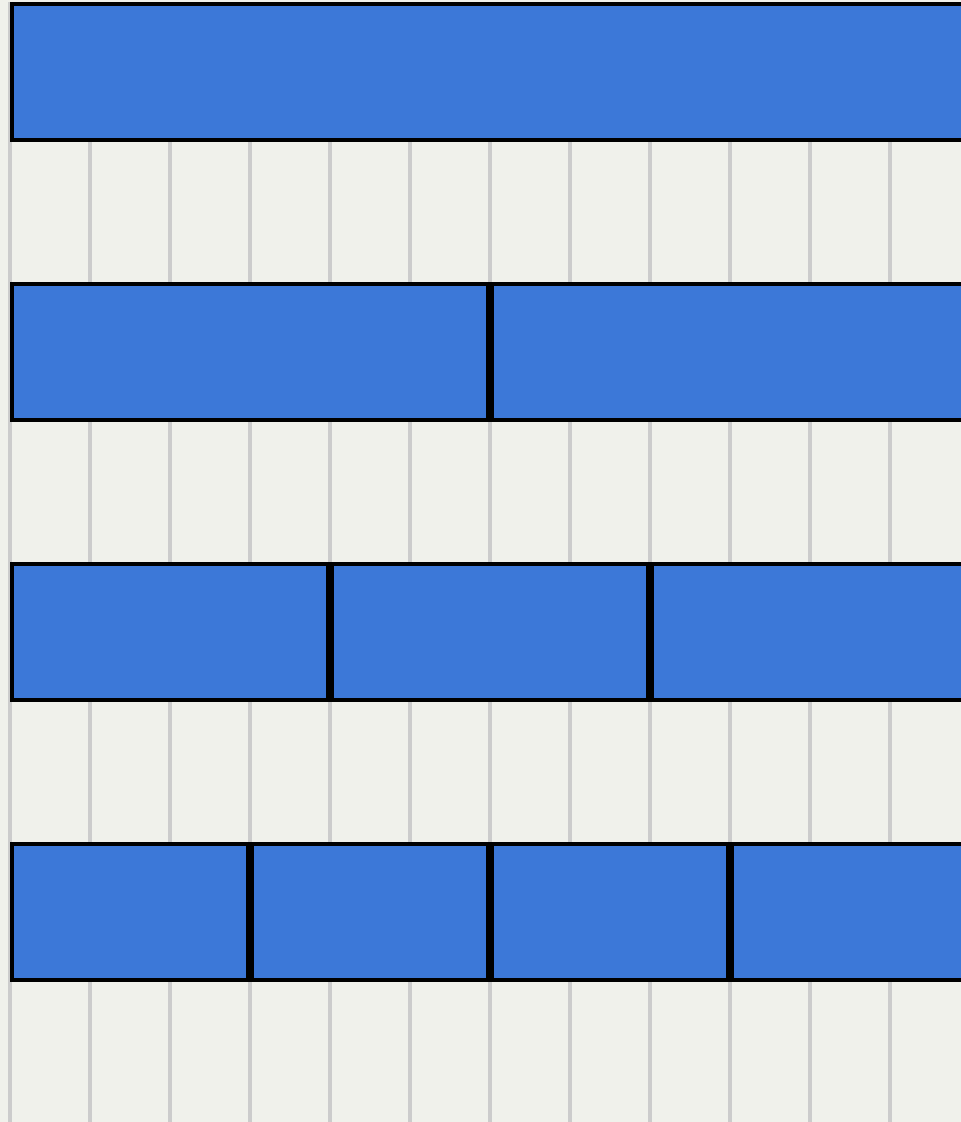
# Grid System

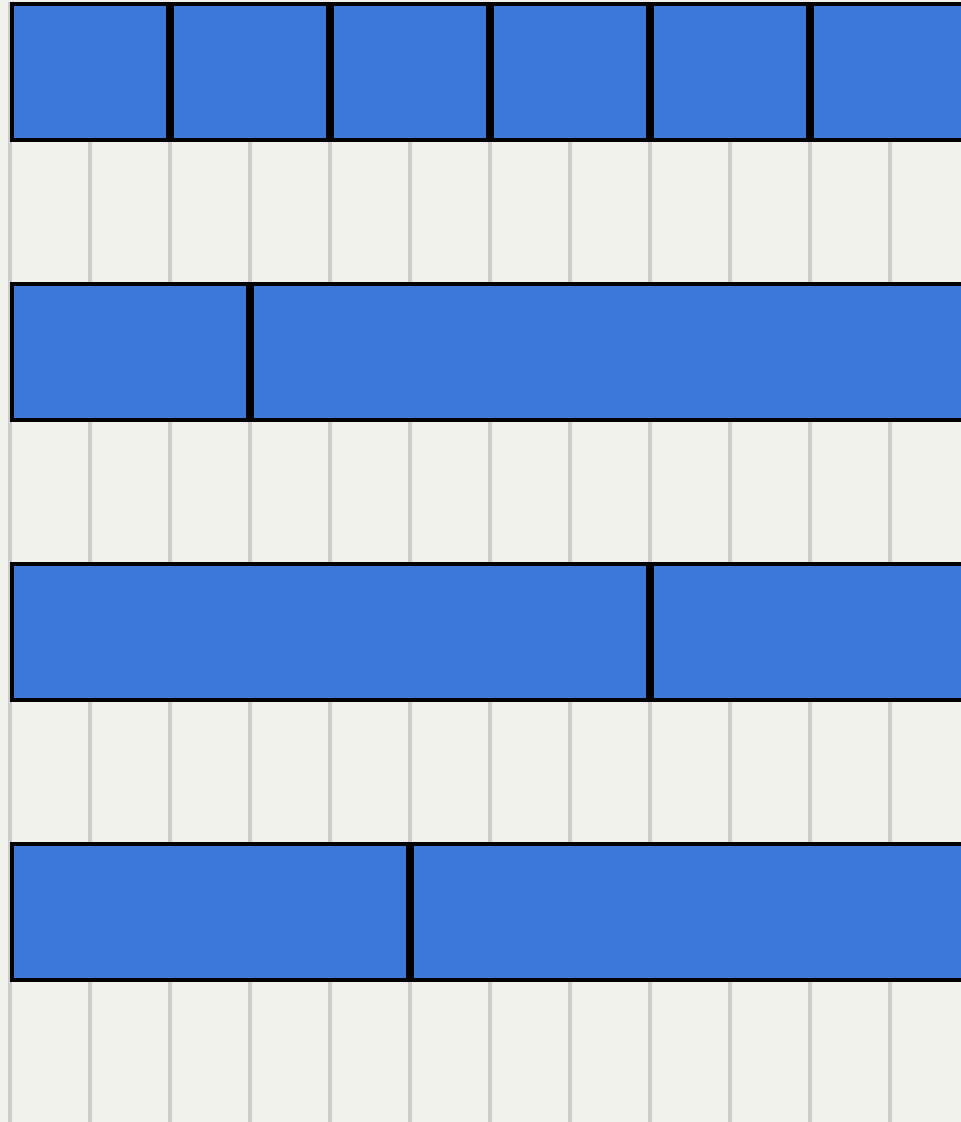


# Grid System

- Libraries and frameworks both make it easier to build sites
- One of the main ways they do this, is by providing a grid system
- Lots of these grid systems are built around a 12 column grid:
  - Why 12? Lots of combinations!
- We add classes that define how wide elements should be







It's library time! Yay!

# Basscss





# Using it

- We are going to use a CDN
- We reference the CDN link before our own file, then we are done
  - We just need to use the classes that Basscss provides

# Framework time!

# Materialize



# Using it

- Download or reference the CSS and JS files
  - Make sure to include jQuery before their JS, and your JS comes after Materialize too

# Let's muck around with it

- Grid
- Buttons
- Forms
- Icons
- Do something with their JS:
  - e.g. Modals

# Homework

- Your project!

# Q & A



# Feedback Time

Lesson 17: Libraries & Frameworks

<https://ga.co/fewd32syd>



# Thanks!

