



# HTML, CSS, JS: Responsive Web Design

# Review

Why do we use classes?

- To give multiple HTML elements the same styling

Why do we use ids?

- To set the styling of a single HTML element or to interact with it in Javascript

# Definitions

## Responsive Web Design:

- Designing your website to look good on any screen (mobile, tablet, or desktop)

## Mobile-First Design:

- Prioritizing styling based on mobile screen sizes

# Why Mobile-First?

- (Don't write this down) Raise your hand if your phone is your primary way of accessing the internet
- There are 1.2 billion mobile web users worldwide
- In the US, 25% of web users only use mobile web (no desktop or laptop use at all)
- 85% of all new mobile phones are able to access the web

# Web Development Frameworks

## Definition:

A pre-built source of code that provides a standard way to build websites and web applications

Basically, someone else wrote a bunch of code, and we can use it in our code to make our lives easier.

# Bootstrap

- Bootstrap is a very popular web framework created by web developers working for Twitter.
- It helps us create clean, simple, responsive, mobile-first websites
- It is open-source, so it is continually being worked on and improved.

# How to Use Bootstrap

1. Add a link to Bootstrap to your HTML file
  - a. Codepen: Use Quick-Add in the CSS settings
2. Give your HTML elements Bootstrap classes
3. Customize further with your own CSS styling using your own classes and ids.