

# Responsive Design

- A page that uses available size
- HTML is naturally responsive!
  - but then we mess it up with styling

# **Adaptive Design**

- Changing layout at certain breakpoints
- Not automatic
- Allows for good use of space

# How?

TL;DR: Media queries

- CSS operates off of 2+ options for layout
  - based on viewport dimensions
  - reorder elements in layout
  - collapse menus

# Simple example

Page:

- header
- menu
- content
- footer

Desktop size:

- Vertical to right of main content

Mobile size:

- Horizontal menu across top of main content

## **But Mobile!**

DevTools has many preset mobile options

- Why doesn't the mobile work?!
- Desktop resizing does!

# Mobile Cheats

- Layout viewport
  - Media query checks!
- Visual viewport
  - Allows for zoom and pan

Most mobile devices render as if a larger size

- then zoom out

Override with

```
<meta name="viewport" content="width=device-width">
```