

Media Queries & CSS Position

Week 3, Class 2: Jamie Pittman



Learning Objectives:

Media Queries



Make a webpage responsive for different size devices



Conditionally apply styles with CSS @media.



Understand the importance of mobile first development



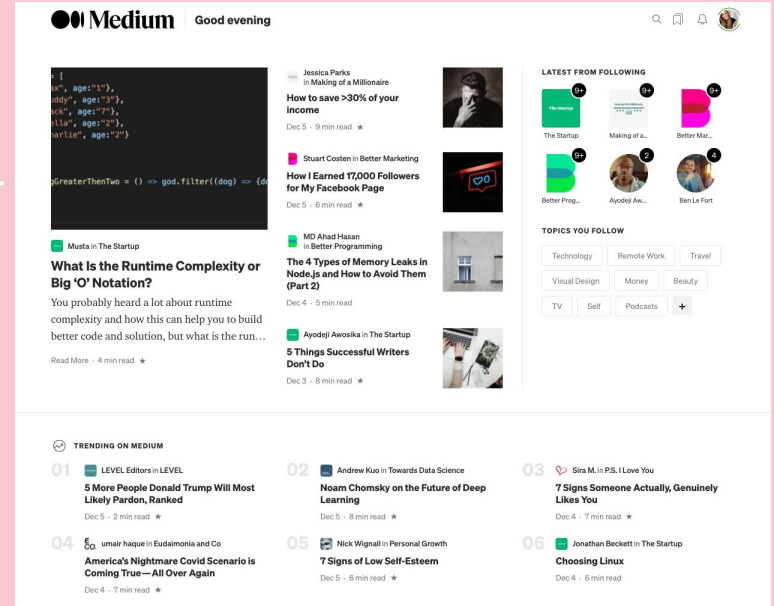
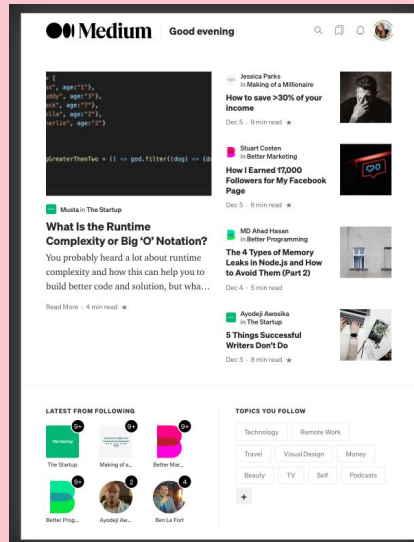
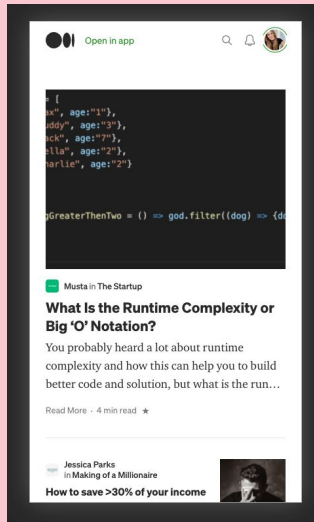
Use a media query to create a breakpoint.

Responsive Design

- **What is responsive design?** An approach to building websites that accounts for the differences in screen sizes across the range of devices and platforms.
- Websites should be viewable on different devices by adjusting the content for screen size and orientation
- **Mobile first** ⇒ building a website as a mobile site first and then adding layout rules for larger and larger screens.



Medium.com: Mobile, Tablet, & Desktop



Chrome Dev Tools

Developer Tools

Manually change width and height

Toggles device toolbar

Customizable preset devices

Responsive 776 x 553 76%

Back
Forward
Reload
Save As...
Print...
Cast...
Send to SM-G960U

Responsive 776 x 553 76%

✓ Responsive
Galaxy S5
Pixel 2
Pixel 2 XL
iPhone 5/SE
iPhone 6/7/8
iPhone 6/7/8 Plus
iPhone X
iPad
iPad Pro
Edit...
Speech

Media Queries

The diagram illustrates the components of a media query in CSS. It features a code block with two CSS rules. The first rule is a standard CSS rule for `.box-one` with a font-size of 24px. The second rule is a media query that targets the `screen` media type with a maximum width of 720px, and it sets the font-size of `.box-one` to 16px. Red arrows point from labels to specific parts of the code: 'CSS Rule' points to the first rule, 'Media Type' points to 'screen', 'Media Feature' points to '(max-width: 720px)', 'Starts with @media' points to '@media', and 'Conditional CSS Rule' points to the entire media query block.

```
.box-one{
  font-size: 24px;
}

@media only screen and (max-width: 720px) {
  .box-one {
    font-size: 16px;
  }
}
```

CSS Rule

Media Type

Media Feature

Starts with @media

Conditional CSS Rule

Media Types	Description
all	Suitable for all devices
print	Intended for paged documents viewed in print preview mode.
screen	Intended for screens.
speech	Intended for screen readers.

Learning Objectives:

CSS Position



Position HTML elements using the position CSS property



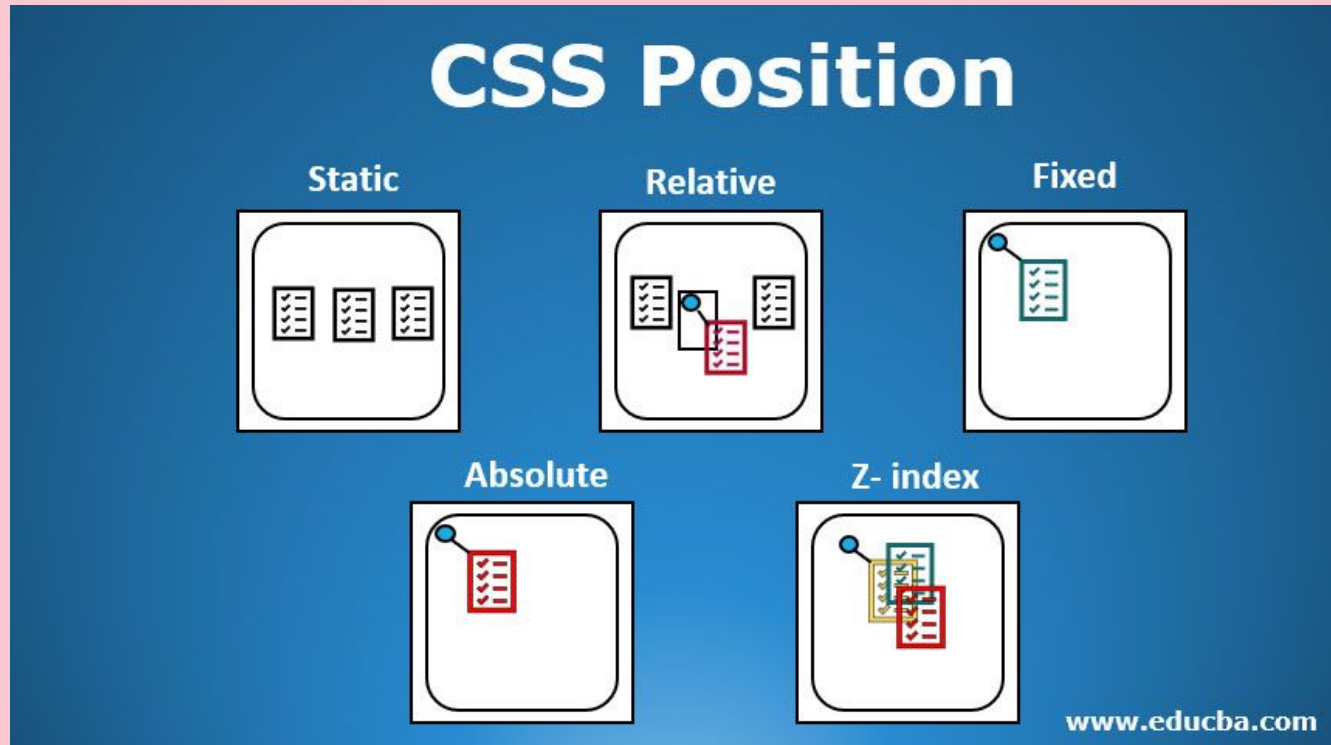
Understand all five position values and how they work



Create basic web design layouts and user interface solutions using the position property



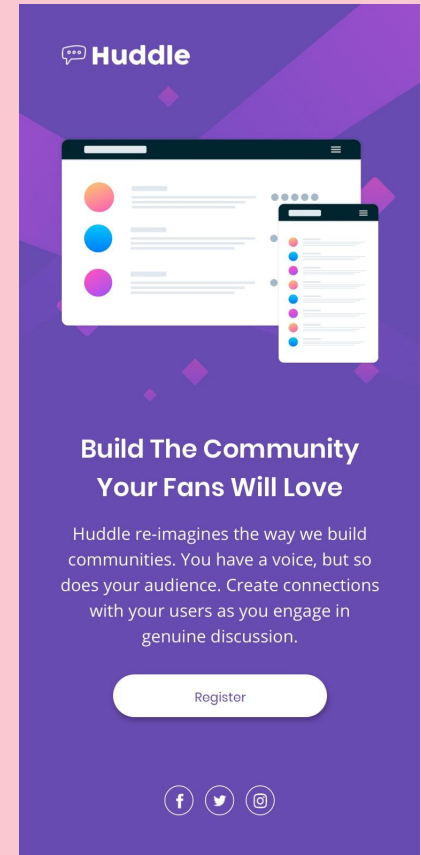
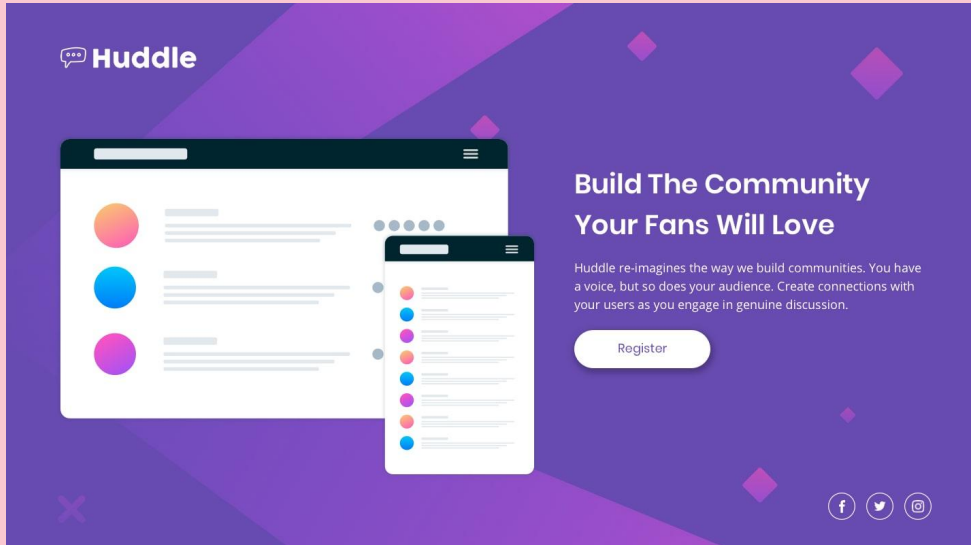
CSS: Position





10:00

Activity: Get Started: Huddle Landing Page



Get Started: Huddle Landing Page

- **Set up the project in Git**
- **Read the README.md file and have a look around the project**
- **Get colors, fonts etc from the style-guide.md file**
- **Set up your project/file architecture however you want**
- **Start coding!**

Activity: Huddle Landing Page

1. Create a GitHub repo
2. Clone it locally
3. Create the project in the command line.
 - a. HTML
 - b. CSS
 - c. .gitignore

Homework



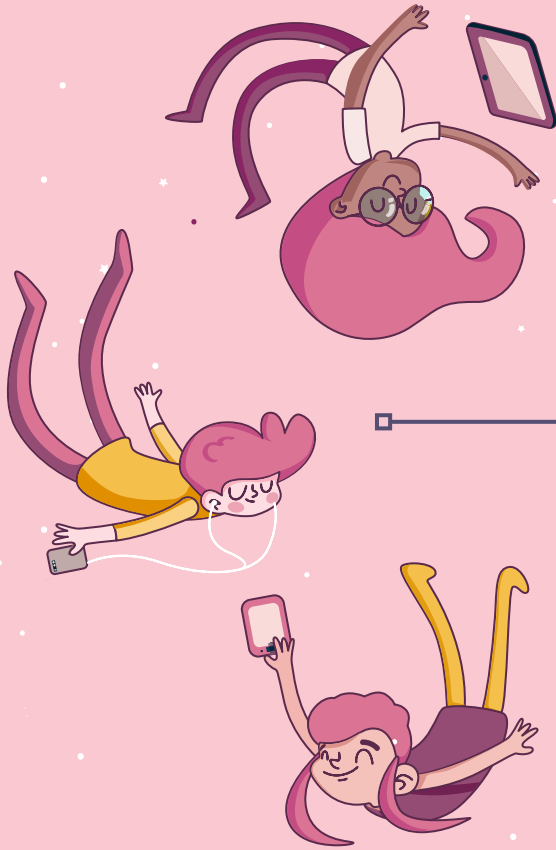
Reading

Read Flexbox

Practice

Flexbox Froggy

Practice Some More



Ask yourself



What did you
learn to do today?



What surprised
you?



How will you use
what you
learned?