

# **CSS Flourishes**

## **Spring 2022**

# Announcements

1. Friday's Lab: Transition to JavaScript!
2. Homework 2 posted. It's time consuming. Suggested approach:
  - a. Try attempt all of the parts by class time on Wednesday
  - b. Attend office hours with questions!
3. Start thinking about your projects – you'll submit a very short project proposal next week!

# Outline

1. Image Effects
2. Pseudo classes
3. Transitions
4. More...

# Image Effects

# Background Image Properties

```
background-attachment: fixed;  
background-size: cover;  
background-repeat: no-repeat;  
background-position: top center;  
filter: grayscale(100%);
```

Good for:

- cropping and stretching images
- anchoring images (for scrolling effects)
- applying filters on-the-fly

# Pseudo Classes

# Pseudo Classes

From [W3 Schools](#):

A pseudo-class is used to define a special state of an element. It can be used to:

- Style an element when a user mouses over it (e.g., `img:hover`)
- Style visited and unvisited links differently (e.g., `a:visited`)
- Style an element when it gets focus (e.g., `button:active`)

# **Animations & Transitions**



# Are Animations Useful?

Sure!

- Micro-animations are very effective for giving users feedback when interacting with the screen.
- Useful for data visualization
- They also offer you another opportunity to be creative / brand your site

# Transitions: FAQs

## What can you animate?

[Here's a list from Mozilla](#). Basically, all colors, and anything that's numeric.

## What are the transition properties I can play with?

```
div { transition: <property> <duration> <timing-function> <delay>; }
```

## What is a keyframe?

Keyframes are a way to make more complex animations

# Transitions: FAQs

## Can I see some examples?

Here are some interesting examples:

- [Mozilla documentation](#)
- [ThoughtBot - Part 1](#)
- [ThoughtBot - Part 2](#)
- [Tuts](#)

# Demos

- 03-css-animations/01-transitions
- 03-css-animations/02-keyframes
  - How do you move cloud #2?
  - How do you animate the sun?

# Micro Animation Libraries

- See course page for [Lecture09](#)
- Demo: 04-text-animations