

# Session 1

## 01 Introduction

### Welcome to the course!

An introduction to the course, including:

- The software I'll be using
- Access to the Discord and how it works
- How I've organized the files I'm providing you

## 02 The basics

### flex container

A look at what happens when we declare display: flex, specifically looking at the flex container itself

### flex items

What are flex items, how are they different from regular block level elements, and a dive into how they behave, because it is a little bit strange

## 03 Flexing our muscles

### Understanding flex-direction

A dive into what flex-direction is, and a few uses cases for it

### Collapsing margins

One of the side-effects of using flexbox is how it impacts the margins of it's children, which mostly comes up when we change the flex-direction

### The order property

A look at what the order property is, how it works, and a word of caution when it comes to using it

# Session 2

## 03 Flexing our muscles - continued

### flex-grow and flex-shrink

An introduction to flex-grow and flex-shrink. We'll be getting back to these as we go through the course, but it's really important to understand the basics of these to really start pushing what you can do with flexbox

### Visualizing with our devtools

Devtools are always important to use, and both Firefox and Chrome give us some great ways to help visualize and play with flexbox to better understand how it's working

# Session 3

## 04 Understanding the basis

### what is flex-basis

One of the more misunderstood properties, here we dive into what it is, how it works, and what happens when we bring flex-direction into the mix

# Session 4

## 05 Alignment and justification

### alignment

Flexbox unlocks a world of possibilities in terms of alignment that we only dreamed of in the old days

### justification

justification looks at the main axis, and is very useful at distributing content

# Session 5

## 06 To wrap, or not to wrap

### flex-wrap basics

flex-wrap is what unlocks a lot of the more interesting and powerful things that you can do with flexbox

### taking advantage of it

At it's core, it's already useful, but when you combine it with flex-grow and flex-shrink, it becomes even better

# Session 6

## 07 The magic of margins

### auto margin and flexbox

Flexbox opens up auto margins on the top and bottom, which in normal situations defaults to 0. This opens up a world of possibilities!

## 08 The future is here

### the gap property

The gap property in flexbox is a game changer, especially when combined with flex-wrap

# Session 7

## 09 flex-grow revisited

### Revisiting flex-grow

Pushing flex-grow to it's limits opens up some more "hacky" solutions, but it really opens the doors to new things that otherwise we wouldn't be able to do