



Coding Boot Camp

Module 02



# Today's Goals

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By the end of today's class you should be able to:

01

Implement basic media queries for screens.

02

Implement a CSS grid to accomplish a complex layout.

03

Implement a flexbox layout for a responsive web design.

04

Use flexbox justification and alignment properties for spacing.

05

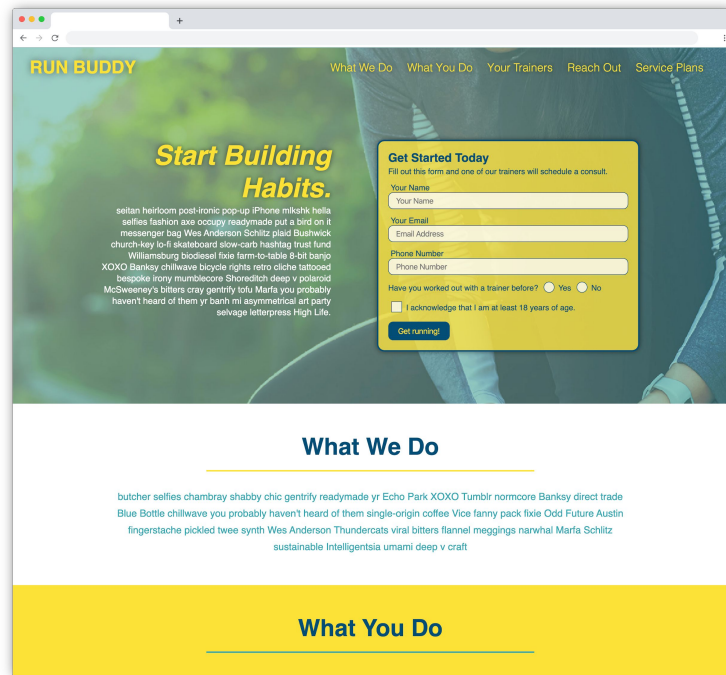
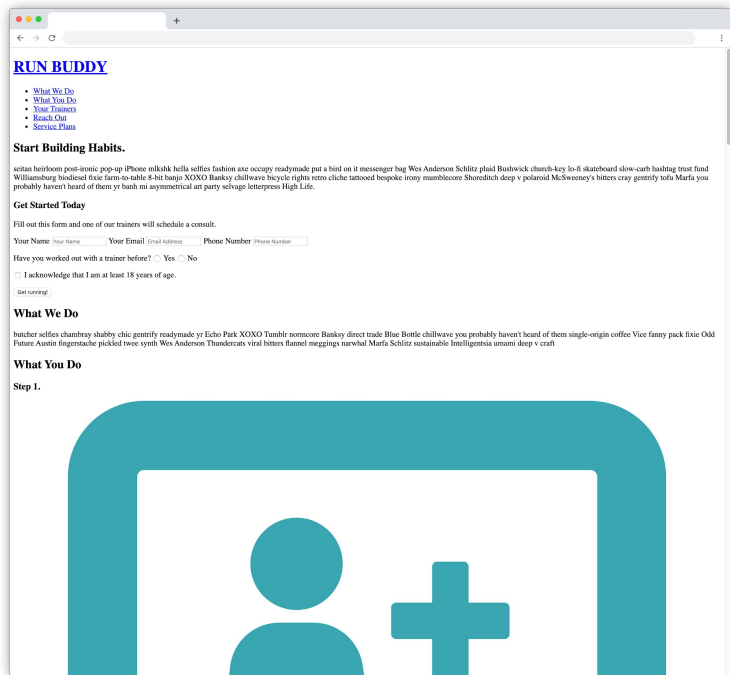
Enhance the UI of a webpage using box styling.



**Why do we use CSS?**

# Why We Use CSS

CSS allows us to make plain HTML content look clean and presentable to users.





**What are some features of  
a well-designed app?**

# Features of Well-Designed Apps



Mobile-responsive layout



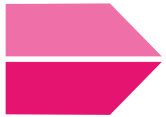
Good use of color contrast and space



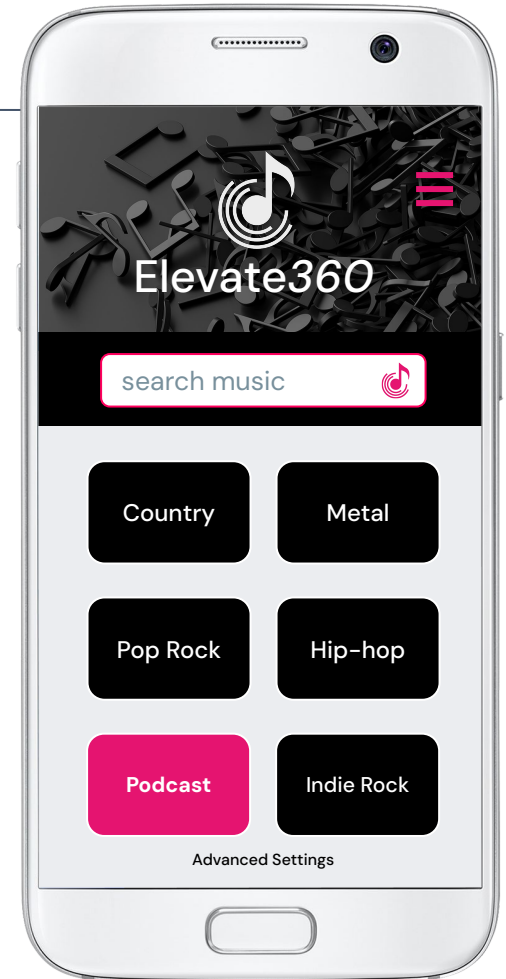
Readable font sizes



Accessible design



Features that enhance the user's experience





**What is our role in implementing  
these features?**

# Our Role in App Design

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We are not graphic designers, but as web developers, it is our job to build a user interface that is usable and visually appealing to the app's target audience. It is also our job to make sure the application does the following:

01

Follows accessibility standards

02

Performs well on both mobile and desktop devices

03

Is easy to maintain





**Can we build well-designed apps with CSS?**

# Yes, We Can!

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Browsers are constantly adding support for more CSS-based tools that we can use, including the following:



Flexbox and grid for responsive layouts



Transitions for animating the user interface



New units of size for developers to use



Image color filtering



And more!



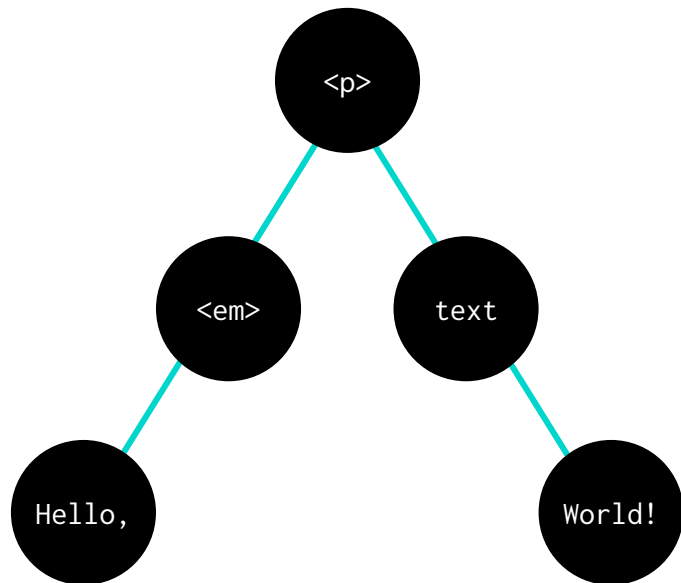
**How can we learn to build these features?**

# How to Learn CSS

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CSS is a unique language, as it gives the developer many options for how to accomplish a goal.

## HTML (Structure)



## CSS (Presentation)

*Hello, World!*

*Hello, World!*

*Hello, World!*



**The best way to build CSS knowledge  
is to build apps and experiment with  
what does or doesn't work!**

# How to Learn CSS

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Try some of the following techniques to learn CSS:



Read the docs and practice with the provided examples.



Reverse-engineer finished code to see how it was created.



Build something from scratch.



Debug a broken app using Chrome DevTools.



And most importantly, ask questions!



# Instructor Demonstration

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## Mini-Project



# Instructor Demonstration

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## Media Queries for Screen





## Your turn - Media Queries for Screen

Follow the instructions in the Readme.md file of folder:  
[02-Stu Media-Query-Screen](#)

Suggested Time:

15 minutes



# Instructor Demonstration

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## Flexbox Layout



## Your turn - Flexbox Layout

Follow the instructions in the Readme.md file of folder:  
[04-Stu Flexbox-Layout](#)

Suggested Time:

15 minutes



# Instructor Demonstration

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## Responsive Web Design



## Your turn - Responsive Web Design

Follow the instructions in the Readme.md file of folder:  
[06-Stu Responsive-Design](#)

Suggested Time:

15 minutes

10 Minute

Break





# Instructor Demonstration

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## Flexbox Placement



## Your turn - Flexbox Placement

Follow the instructions in the Readme.md file of folder:  
[08-Stu Flexbox-Placement](#)

Suggested Time:

15 minutes





# Instructor Demonstration

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## Box Styling



## Your turn - Box Styling

Follow the instructions in the Readme.md file of folder:  
[10-Stu Box-Styling](#)

Suggested Time:

15 minutes

# Questions?



*The  
End*