Community







Introduction

serious. The most important skills you need to master with CSS are positioning and layout. Changing fonts and colors is a crucial skill, but being able to put things exactly where you want them on a webpage is even more crucial. After all, how many webpages can you find where absolutely every element is just stacked one on top of another? Learning to position elements on a webpage is not that difficult once you understand

Now that you understand the basic syntax of HTML and CSS, we're going to get

just a few key concepts. Unfortunately, many learners race through learning HTML and CSS to get to JavaScript and end up missing these fundamental concepts. This leads to frustration and pain (and funny gifs) because all the JavaScript skills in the world are meaningless if you can't stick your elements on the page where you need them to be. So with that in mind, let's get started.

This section contains a general overview of topics that you will learn in this lesson.

Lesson overview

You'll learn all about the box model.

- You'll learn how to make sure elements are just the right size with margin, padding, and borders.
- The box model

box model. It isn't complicated, but skipping over it now would cause you much frustration down the line.

Every single thing on a webpage is a rectangular box. These boxes can have other boxes in them and can sit alongside one another. You can get a rough idea of how this

The first important concept that you need to understand to be successful in CSS is the

* { 1 outline: 2px solid red; 2

works by applying an outline to every element on the page like this:

```
I'm a box
 I'm also a box with some text in it.. Lorem ipsum, dolor sit amet
 consectetur adipisicing elit. Quod molestiae cumque dolores provident!
 Quo repellat odio rerum, ipsa maiores adipisci veritatis beatae, non ipsam
 minus dignissimos amet cupiditate nesciunt quas?
  this list is a box
   and all the list items in it are boxes
                    <u>links</u> are boxes.
even buttons and
```

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You can use the browser's inspector to add the CSS above to this web page if you

want, by clicking the + button in the top right of the "Styles" panel within the

"Elements" tab. Boxes in boxes!

stack these boxes.

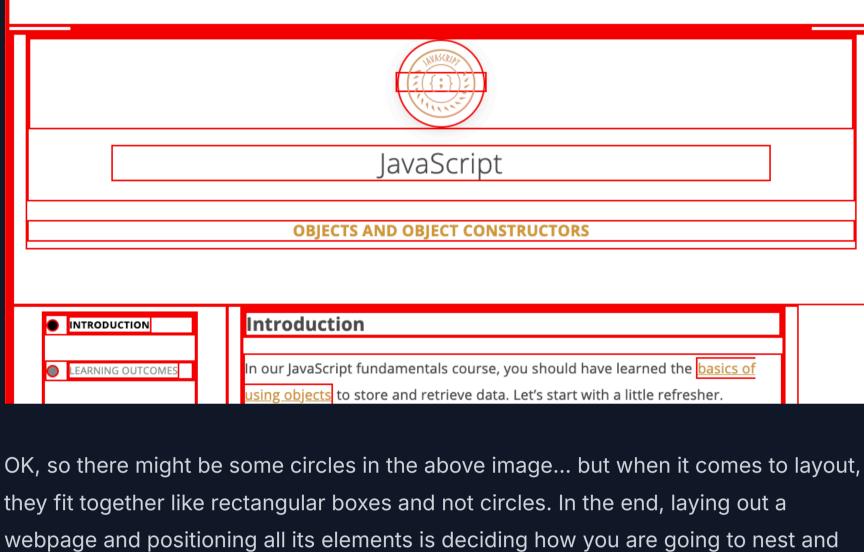
box.

adjacent boxes.

the space between this

box is padding!

text and the edge of the

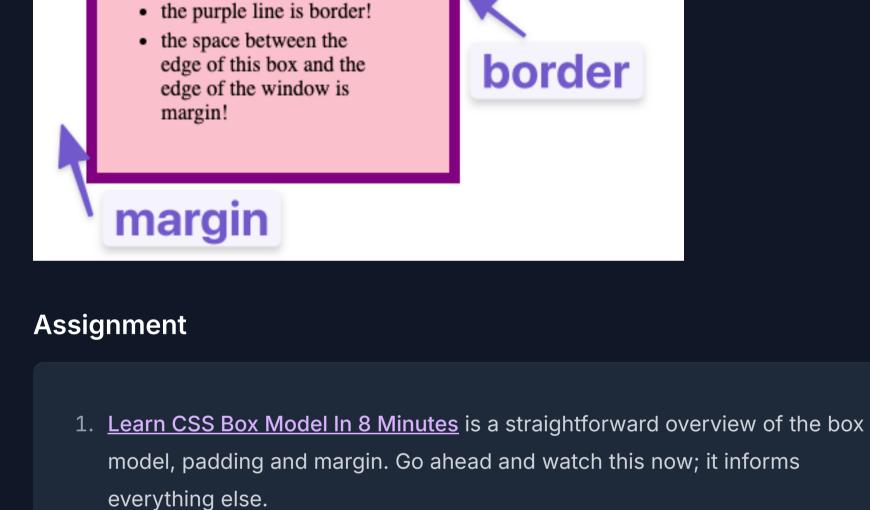


The only real complication here is that there are many ways to manipulate the size of these boxes, and the space between them, using padding, border, and margin. The assigned articles go into more depth on this concept, but to sum it up briefly: padding increases the space between the border of a box and the content of the

padding. margin increases the space between the borders of a box and the borders of

border adds space (even if it's only a pixel or two) between the margin and the

- Be sure to study the diagrams carefully.
 - padding This is an example to show off the box model.



better explanation of 'box-sizing'. 3. Because the box model concept is so incredibly fundamental, let's dig a bit

the video(s) above and will introduce you to inline boxes that we will explore in the next lesson. Pay close attention to the examples and take the time to experiment with their in-browser editor!

deeper with MDN's lesson on the box model. It covers the same material as

2. box-sizing: border-box (EASY!) is an add-on to the above resource with a

- 4. The CSS Tricks page on margins has some further information about the margin property that you'll find useful. Specifically, the sections about auto and margin collapsing contain things you'll want to know.
- **Knowledge check** The following questions are an opportunity to reflect on key topics in this lesson. If you can't answer a question, click on it to review the material, but keep in mind you are not expected to memorize or master this knowledge.

From inside to outside, what is the order of box-model properties?

What does the box-sizing CSS property do? What is the difference between the standard and alternative box model?

other?

Additional resources

Would you use margin or padding to create more space between the contents of an element and its border? Would you use margin or padding if you wanted two elements to overlap each

Would you use margin or padding to create more space between 2 elements?

- How do you set the alternative box model for all of your elements? How do you center an element horizontally?
- This section contains helpful links to related content. It isn't required, so consider it supplemental.

For a more interactive explanation and example, try this Scrim on the box model.

This informative video tutorial by <u>Slaying The Dragon</u> offers a valuable resource for understanding the box model.

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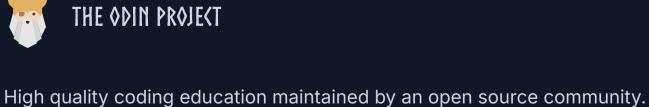


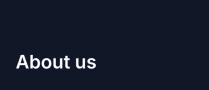
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