

BOX MODEL

Lesson 3

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LEARNING OBJECTIVES

- Understand and define CSS Box Model.
- Demonstrate the ability to manipulate the "box" around tags.
- Select nested elements to apply styling.

AGENDA

- Assignments and Week 1
- Week 1 Review
- How to start a project / website
- More CSS selectors
- Box Model
- `normalize.css`
- Lab time

ASSIGNMENTS & HOMEWORK

WHAT DO WE REMEMBER?

- What files make up our websites?
- Where do we link our CSS file in the HTML document?
- What TAGs can we remember?
- What is a selector?

Don't worry if you don't remember everything yet.

Google Everything

- You don't need to memorise everything
- You just need to know what to search for
- Google every day

WHAT DO WE NEED TO WORK ON?

- Organisation / folder structure
- Naming conventions / file extensions
- Consistency / formatting
- HTML Validation / <https://validator.w3.org/>

FOLDER STRUCTURE

My Projects Folder



**WHAT DO YOU NEED
HELP WITH**

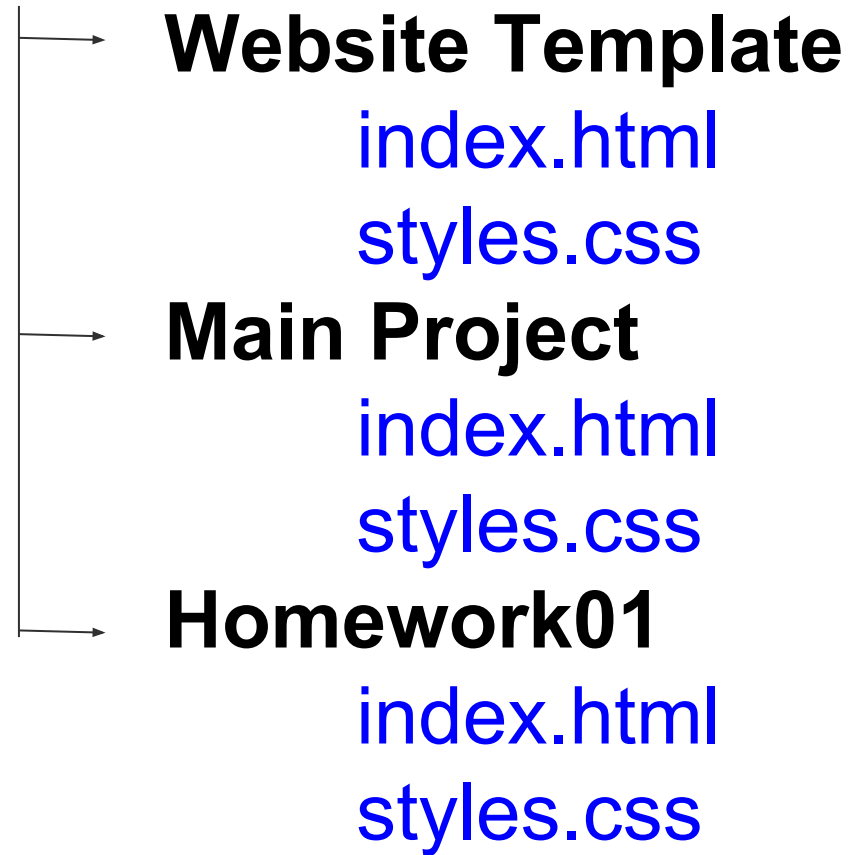
HOW DO WE START A WEBSITE

WHAT DO WE NEED TO DO?

- Set up our folder structure
- Add our HTML file - index.html
- Add our CSS file - styles.css
- Make sure they are linked

FOLDER STRUCTURE

My Projects Folder



HTML DOCUMENT STRUCTURE

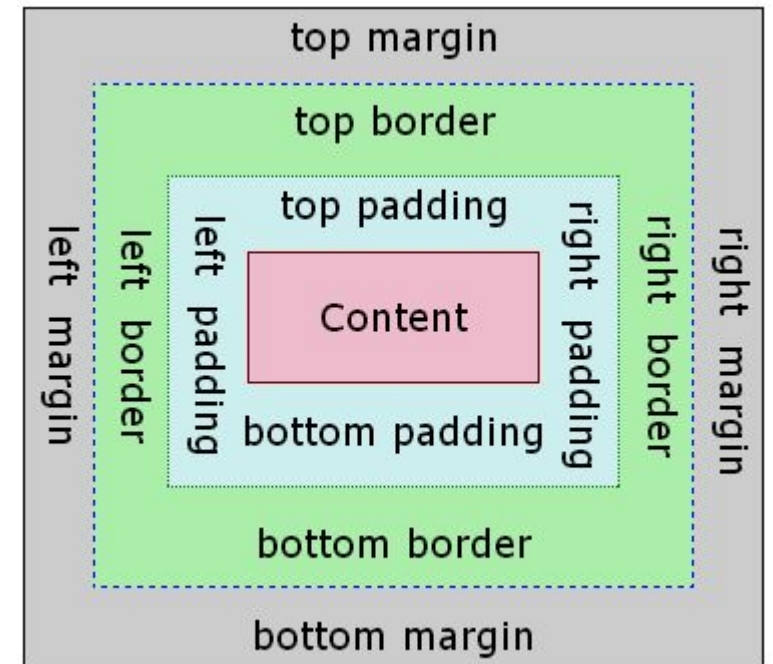
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Web Template</title>
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
    <!-- content goes here -->
  </body>
</html>
```

BOX MODEL

WHAT IS BOX MODEL

The CSS Box Model.

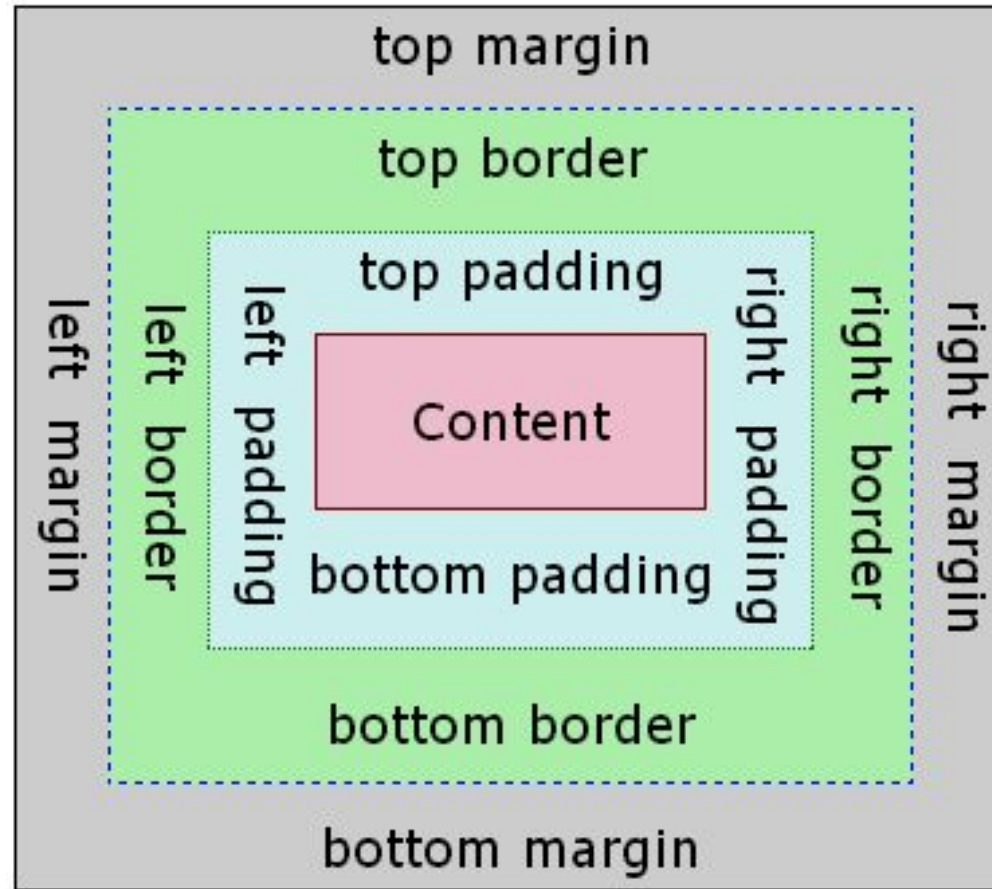
All HTML elements can be considered as boxes. In CSS, the term "box model" is used when talking about design and layout. The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content.



WHAT IS BOX MODEL

Total width

width +
padding-left +
padding-right +
border-left +
border-right



EXERCISE: CODEPEN CODE ALONG

<https://codepen.io>

BOX MODEL FIX

Child selectors - Direct child only

```
html {  
    box-sizing: border-box;  
}  
*, *:before, *:after {  
    box-sizing: inherit;  
}
```

EXERCISE: TAGS & BOXES

jayonlydigital.github.io

NESTED SELECTORS

NESTED SELECTORS

Child selectors - Direct child only

```
header > h1 { color:#000; }
```

```
div > ul > li { color:red; }
```

```
.content > p { color:green; }
```

NESTED SELECTORS

Descendant selectors - All descendants

```
header a { color:#000; }
```

```
footer nav { color:red; }
```

```
.content p { color:green; }
```



GENERAL ASSEMBLY

EXERCISE: NESTED SELECTORS

jayonlydigital.github.io



GENERAL ASSEMBLY

LAB TIME: RELAXR LANDING PAGE

jayonlydigital.github.io

Q&A



GENERAL ASSEMBLY

FEEDBACK

Lesson 3 - BOX MODEL

<http://ga.co/fewd23syd>